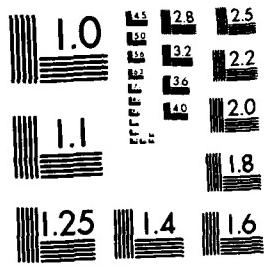


AD-A195 266 LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs) 1/2
BAD KREUZNACH AAF GERMANY(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL FEB 88
UNCLASSIFIED USAFETAC/DS-88/000 F/TG 4/2 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

AD-A195 266

DL 106265

USAFETAC/DS-88/008

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(1)

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**OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)**



"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

BAD KREUZNACH AAF GERMANY MSC #106265
N 49 51 W 007 53 ELEV 315 FT EDEH

PARTS A - F HOURS SUMMARIZED: 0600 - 1700

PERIOD OF RECORD:
HOURLY OBSERVATIONS: NOV 77 - OCT 87
SUMMARY OF DAY DATA: APR 65 - OCT 87

FEB 04 1988

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19. Abstract: A statistical data summary of surface weather observation climatology; Bad Kreuznach AAF, Germany. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART 1, Weather Conditions and Atmospheric Phenomena; PART 2, Surface Winds; PART 3, Ceiling and Visibility; PART 4, Psychrometric Summaries; and PART 5, Pressure Summaries. Note that PART 2, Precipitation, is omitted. See USAFETAC/TN-83-001 (AD132186), An Aid For Using The Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete descriptions of contents and instructions for use.

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22a. Name of Responsible Individual: Marianne L. Cavanaugh

22b. Telephone: (618)256-2625.

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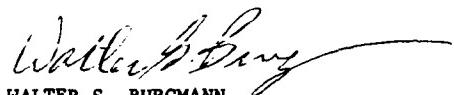
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REVIEW AND APPROVAL STATEMENT

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This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN
Scientific and Technical Information Program Manager

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NAME: BAD KREUZNACH AAF GERMANY

STATION NUMBER: 106265

SUMMARIZED HOURS: 0600 - 1700 LST

PERIOD OF RECORD

HOURLY OBSERVATIONS: NOV 77 - OCT 87

SUMMARY OF DAY DATA (FULL TIME): NONE

SUMMARY OF DAY DATA (PART TIME): MAR 65 - OCT 87

TIME CONVERSION LST TO GMT: -1

DATE PRODUCED: 14 JAN 88

ALL USERS OF THIS LISOCs MUST FAMILIARIZE THEMSELVES WITH THE SITE'S DATA LIMITATIONS PRIOR TO USING OR DISTRIBUTING THESE SUMMARIES. A SPECIAL CAVEAT PAGE PROVIDES IMPORTANT INFORMATION FOR ALL USERS. THIS CAVEAT PAGE IS LOCATED IN FRONT OF THE SUPPLEMENTAL SECTION.

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OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES--LISOCs

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUPPLEMENTAL DATA: DATA DERIVED FROM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSW0 IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

HOURLY SUMMARIES CONTAINING "TOTALS" AND "MALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-HOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSW0).

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PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: SEE SUPPLEMENTAL DATA SECTION BELOW

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

NOTE: THE FIRST AND LAST HOUR GROUPS MAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SHEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO HOUR GROUPS.

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
106265	BAD KREUZNACH GERMANY AAF	N 49 51	E 007 53	341.6	EDEN	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	BAROMETER	
1	Bad Kreuznach Germany	AAF	Nov 59	Dec 70	N 49 52	E 007 53	355	N/A	8 to 14
2	No Chge	AAF	Jan 71	Mar 83	N 49 51	E 007 53	345	348	10
3	No Chge	AAF	Apr 83	Dec 84	No Chge	No Chge	341.6	No Chge	No Chge
4	Bad Kreuznach Germany AAF	AAF	Jan 85	Oct 87	No Chge	No Chge	341.6	No Chge	10

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Nov 59 to Feb 61	Located 40 ft E of bldg on top of tower	AN/GMQ-11	None	50 ft	
2	Mar 61 to Feb 62	Located on mast on tower.	No chge	None	60 ft	
3	Mar 62 to Feb 63	Located on top of tower cab.	No chge	None	80 ft	
4	Mar 63 to Feb 67	Located on top of control tower.	No chge	None	55 ft	

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Mar 67 to Feb 69	Located on control tower.	No Chge	None	50 Ft	
6	Mar 69 to Dec 70	Located atop operations bldg.	No Chge	None	15 Ft	
7	Unkn	Location approximately 1969 Ft East of the tower.	GMQ11	None	15 Ft	
8	Unkn	Location in the tower	No Chge	RO 362	15 Ft	
9	Apr 83	Located approximately 1969 Ft East of the tower.	No Chge	Same	15 FT	

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAA	RRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE, THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	TSTMS DRIZZLE	RAIN E/DR DRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	HAIL WITH PRECIP	% OBS	FOG	SMOKE E/DR BLOWING HAZE SNOW	DUST E/DR W/DBST SAND TO VISION	% OBS	TOTAL OBS
00-02											
03-05											
06-08		14.5	1.1	7.8		22.6	49.2	4.8		54.0	372
09-11		11.2	1.1	8.0		19.8	41.8	6.1		47.9	560
12-14		10.0	.9	6.0		16.5	25.2	16.1		41.3	552
15-17		8.8	.2	4.3		13.0	25.7	17.5		43.2	537
18-20											
21-23											
TOTALS		11.1	.8	6.5		18.0	35.5	11.1		46.6	2021

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	TSTMS DRIZZLE	RAIN E/DR DRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	HAIL WITH PRECIP	% OBS	FOG	SMOKE E/DR BLOWING HAZE SNOW	DUST E/DR W/DBST SAND TO VISION	% OBS	TOTAL OBS
00-02											
03-05											
06-08		9.6		7.4		16.2	66.2	6.6		72.8	364
09-11		8.3		11.2		18.8	45.1	20.1		65.2	543
12-14		7.0	.2	6.5		13.5	24.4	34.8		59.1	541
15-17		5.9		4.3		11.1	19.3	37.5		56.8	533
18-20											
21-23											
TOTALS		8.0	.1	7.4		14.9	38.8	24.8		63.5	1981

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS DRIZZLE	RAIN & OR DRIZZLE	FRZING & OR DRIZZLE	SNOW & OR SLEET	FAIL WITH PRECIP	% OBS	FOG	SMOKE & OR BLOWING HAZE	DUST & OR SAND	% OBS W/DBST TO VISION	TOTAL OBS
00-02											
03-05											
06-08		14.1		3.2		17.0	49.0	10.0		59.0	412
09-11		13.1		2.1		14.9	25.3	23.9		49.2	612
12-14		10.1		1.6		11.4	11.3	28.1		39.3	613
15-17		15.2		.5	.2	15.7	6.5	28.6		35.1	587
18-20											
21-23											
TOTALS		13.1		1.9	.1	14.8	23.0	22.7		45.7	2224

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

HOURS (LST)	TSTMS DRIZZLE	RAIN & OR DRIZZLE	FRZING & OR DRIZZLE	SNOW & OR SLEET	FAIL WITH PRECIP	% OBS	FOG	SMOKE & OR BLOWING HAZE	DUST & OR SAND	% OBS W/DBST TO VISION	TOTAL OBS
00-02											
03-05											
06-08		11.6		1.0		12.2	37.8	22.0		59.9	576
09-11		3.4		1.5		9.4	11.0	39.7		50.6	620
12-14		.3	3.3	1.5		9.5	1.5	30.9		32.4	501
15-17		.7	13.8	1.4		11.2	.2	20.6		20.9	436
18-20											
21-23											
TOTALS		.3	9.8	1.4		10.6	12.6	28.3		41.5	2233

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 78-87
MONTH: MAY

HOURS (LST)	TSTMS	RAIN E/DR DRIZZLE	FRZNG RAIN E/DR SLEET	SNOW E/DR DRIZZLE	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/DBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		13.9				13.9	28.2	22.2			50.4	568
09-11		.2	17.1			17.1	6.1	29.9			36.0	508
12-14		1.0	15.3			15.3	2.2	15.3			17.6	581
15-17		2.4	14.7			14.7	1.4	7.4			8.6	421
18-20												
21-23												
TOTALS		.9	15.3			15.3	9.5	18.7			28.2	2178

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-97

MONTH: JUN

		RAIN	FRZNG	SNOW	% OBS		SMOKE	DUST	% OBS	
HOURS (LST)	TSTMS	L/OR DRIZZLE	RAIN L/OR DRIZZLE	L/OR SLEET	WITH PRECIP	FOG	L/OR BLOWING HAZE	L/OR SAND	L/OR W/BLST	TOTAL TO VISION
00-02										
03-05										
06-08		.9	9.5		9.5	26.5	24.8		51.3	569
09-11		.2	7.7		7.7	4.4	29.3		33.7	611
12-14		1.0	9.3		9.3	1.4	14.3		15.6	589
15-17		1.9	5.2		6.2	.5	8.4		8.8	419
18-20										
21-23										
TOTALS		1.0	3.2		8.2	8.2	19.2		27.4	2158

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

HOURS (LST)	TSTMS	RAIN E/DR DRIZZLE	FRZING RAIN E/DR SLEET	SNOW E/DR	HAUL PRECIP	% OBS	WITH	FOG	SMOKE E/DR BLOWING HAZE	DUST W/DBST SNOW	% OBS	TOTAL TO OBS
00-02												
03-05												
06-08		.6	7.9			7.9	32.9	26.2			59.1	504
09-11		.2	11.2			11.2	7.2	34.6			41.7	544
12-14				5.4		6.4	1.9	22.8			24.7	530
15-17		2.6	7.3			7.3	1.0	13.8			14.9	383
18-20												
21-23												
TOTALS		.9	8.2			8.2	10.8	24.4			35.1	1961

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG

HOURS (LST)	TSTMS	RAIN E/DR DRIZZLE	FRZING RAIN E/DR SLEET	SNOW E/DR	HAUL PRECIP	% OBS	WITH	FOG	SMOKE E/DR BLOWING HAZE	DUST W/DBST SNOW	% OBS	TOTAL TO OBS
00-02												
03-05												
06-08		1.1	4.6			4.6	46.7	17.5			54.2	570
09-11			3.6			3.8	12.6	39.3		.2	52.0	611
12-14		.5	5.7			5.7	1.8	29.2			31.1	595
15-17		.7	5.6			6.6	1.9	16.5			18.4	425
18-20												
21-23												
TOTALS		.6	5.2			5.2	15.8	25.6		.1	41.4	2201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP

		RAIN	FROZEN RAIN	SNOW	% OBS	SMOKE	DUST	% OBS	
HOURS (LST)	TSTMS	G/OR DRIZZLE	Rain G/OR SLEET	HAIL	WITH PRECIP	FOG	G/OR BLOWING HAZE	G/OR W/DBST SNOW	TOTAL OBS
00-02									
03-05									
06-08		5.4			6.4	57.8	7.4	65.2	419
09-11		5.6			6.6	20.7	29.3	59.0	468
12-14		.4	8.7		8.7	4.1	28.9	33.0	461
15-17			9.1		9.1	2.4	21.8	24.2	331
18-20									
21-23									
TOTALS		.1	7.7		7.7	21.3	21.9	43.1	1679

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT

		RAIN	FROZEN RAIN	SNOW	% OBS	SMOKE	DUST	% OBS		
HOURS	TSTMS	E/OR DRIZZLE	E/OR RAIN	HAIL	WITH PRECIP	FOG	E/OR BLOWING HAZE	E/OR SAND	W/OBST TO VISION	TOTAL OBS
00-06					.					
03-05										
06-08	13.2				10.2	66.8	3.3		70.1	394
09-11	13.9				10.9	49.2	13.3		62.4	596
12-14	9.4				9.4	20.6	29.1		49.7	587
15-17	9.5				9.5	13.4	26.3		39.8	558
18-20										
21-23										
TOTALS	13.0				10.0	37.5	18.0		55.5	2135

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS DRIZZLE	RAIN E/DR DRIZZLE	FRZING E/DR DRIZZLE	SNOW E/DR SLEET	% OBS WITH PRECIP	FOG	SMOKE E/DR BLOWING	DUST E/DR W/DBST	TOTAL SAND TO OBS VISION
00-02									
03-05									
06-08		13.1		2.3		12.4	62.1	2.3	64.5 346
09-11		9.3		3.1		12.4	50.4	5.8	56.2 516
12-14		8.2		3.1		10.9	32.0	14.5	46.5 512
15-17		7.7		2.0		9.7	31.7	13.1	44.8 496
18-20									
21-23									
TOTALS		8.8		2.6		11.4	44.1	8.9	53.0 1870

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS DRIZZLE	RAIN E/DR DRIZZLE	FRZING E/DR DRIZZLE	SNOW E/DR SLEET	% OBS WITH PRECIP	FOG	SMOKE E/DR BLOWING	DUST E/DR W/DBST	TOTAL SAND TO OBS VISION
00-02									
03-05									
06-08		18.2		3.9		21.6	53.4	3.2	56.6 380
09-11		14.6	.3	5.2		19.8	44.7	5.8	50.4 591
12-14		14.9	.9	5.0		20.4	30.6	15.0	45.7 565
15-17		13.4		2.9		15.8	30.7	16.1	46.9 514
18-20									
21-23									
TOTALS		15.3	.3	4.3		19.4	39.9	10.0	49.9 2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	4410	4411	4412	4413	4414	4415	4416	4417	4418	4419	4420	4421	4422	4423	4424	4425	4426	4427	4428	4429	4430	4431	4432	4433	4434	4435	4436	4437	4438	4439	4440	4441	4442	4443	4444	4445	4446	4447	4448	4449	44410	44411	44412	44413	44414	44415	44416	44417	44418	44419	44420	44421	44422	44423	44424	44425	44426	44427	44428	44429	44430	44431	44432	44433	44434	44435	44436	44437	44438	44439	44440	44441	44442	44443	44444	44445	44446	44447	44448	44449	444410	444411	444412	444413	444414	444415	444416	444417	444418	444419	444420	444421	444422	444423	444424	444425	444426	444427	444428	444429	444430	444431	444432	444433	444434	444435	444436	444437	444438	444439	444440	444441	444442	444443	444444	444445	444446	444447	444448	444449	4444410	4444411	4444412	4444413	4444414	4444415	4444416	4444417	4444418	4444419	4444420	4444421	4444422	4444423	4444424	4444425	4444426	4444427	4444428	4444429	4444430	4444431	4444432	4444433	4444434	4444435	4444436	4444437	4444438	4444439	4444440	4444441	4444442	4444443	4444444	4444445	4444446	4444447	4444448	4444449	44444410	44444411	44444412	44444413	44444414	44444415	44444416	44444417	44444418	44444419	44444420	44444421	44444422	44444423	44444424	44444425	44444426	44444427	44444428	44444429	44444430	44444431	44444432	44444433	44444434	44444435	44444436	44444437	44444438	44444439	44444440	44444441	44444442	44444443	44444444	44444445	44444446	44444447	44444448	44444449	444444410	444444411	444444412	444444413	444444414	444444415	444444416	444444417	444444418	444444419	444444420	444444421	444444422	444444423	444444424	444444425	444444426	444444427	444444428	444444429	444444430	444444431	444444432	444444433	444444434	444444435	444444436	444444437	444444438	444444439	444444440	444444441	444444442	444444443	444444444	444444445	444444446	444444447	444444448	444444449	4444444410	4444444411	4444444412	4444444413	4444444414	4444444415	4444444416	4444444417	4444444418	4444444419	4444444420	4444444421	4444444422	4444444423	4444444424	4444444425	4444444426	4444444427	4444444428	4444444429	4444444430	4444444431	4444444432	4444444433	4444444434	4444444435	4444444436	4444444437	4444444438	4444444439	4444444440	4444444441	4444444442	4444444443	4444444444	4444444445	4444444446	4444444447	4444444448	4444444449	44444444410	44444444411	44444444412	44444444413	44444444414	44444444415	44444444416	44444444417	44444444418	44444444419	44444444420	44444444421	44444444422	44444444423	44444444424	44444444425	44444444426	44444444427	44444444428	44444444429	44444444430	44444444431	44444444432	44444444433	44444444434	44444444435	44444444436	44444444437	44444444438	44444444439	44444444440	44444444441	44444444442	44444444443	44444444444	44444444445	44444444446	44444444447	44444444448	44444444449	444444444410	444444444411	444444444412	444444444413	444444444414	444444444415	444444444416	444444444417	444444444418	444444444419	444444444420	444444444421	444444444422	444444444423	444444444424	444444444425	444444444426	444444444427	444444444428	444444444429	444444444430	444444444431	444444444432	444444444433	444444444434	444444444435	444444444436	444444444437	444444444438	444444444439	444444444440	444444444441	444444444442	444444444443	444444444444	444444444445	444444444446	444444444447	444444444448	444444444449	4444444444410	4444444444411	4444444444412	4444444444413	4444444444414	4444444444415	4444444444416	4444444444417	4444444444418	4444444444419	4444444444420	4444444444421	4444444444422	4444444444423	4444444444424	4444444444425	4444444444426	4444444444427	4444444444428	4444444444429	4444444444430	4444444444431	4444444444432	4444444444433	4444444444434	4444444444435	4444444444436	4444444444437	4444444444438	4444444444439	4444444444440	4444444444441	4444444444442	4444444444443	4444444444444	4444444444445	4444444444446	4444444444447	4444444444448	4444444444449	44444444444410	44444444444411	44444444444412	44444444444413	44444444444414	44444444444415	44444444444416	44444444444417	44444444444418	44444444444419	44444444444420	44444444444421	44444444444422	44444444444423	44444444444424	44444444444425	44444444444426	44444444444427	44444444444428	44444444444429	44444444444430	44444444444431	44444444444432	44444444444433	44444444444434	44444444444435	44444444444436	44444444444437	44444444444438	44444444444439	44444444444440	44444444444441	44444444444442	44444444444443	44444444444444	44444444444445	44444444444446	44444444444447	44444444444448	44444444444449	444444444444410	444444444444411	444444444444412	444444444444413	444444444444414	444444444444415	444444444444416	444444444444417	444444444444418	444444444444419	444444444444420	444444444444421	444444444444422	444444444444423	444444444444424	444444444444425	444444444444426	444444444444427	444444444444428	444444444444429	444444444444430	444444444444431	444444444444432	444444444444433	444444444444434	444444444444435	444444444444436	444444444444437	444444444444438	444444444444439	444444444444440	444444444444441	444444444444442	444444444444443	444444444444444	444444444444445	444444444444446	444444444444447	444444444444448	444444444444449	4444444444444410	4444444444444411	4444444444444412	4444444444444413	4444444444444414	4444444444444415	4444444444444416	4444444444444417	4444444444444418	4444444444444419	4444444444444420	4444444444444421	4444444444444422	4444444444444423	4444444444444424	4444444444444425	4444444444444426	4444444444444427	4444444444444428	4444444444444429	4444444444444430	4444444444444431	4444444444444432	4444444444444433	4444444444444434	4444444444444435	4444444444444436	4444444444444437	4444444444444438

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	BBBBBBBB
PPPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTT	BBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPP	AA AA	RRRRRRR	TT	BBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRR	TT	BBBBBBBB
PP	AAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBB

SEE SUPPLEMENTAL SECTION (SUMMARY OF DAY DATA) FOR THESE SUMMARIES.

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	CCCCCC
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTT	CCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCC
PP	AA AA	RR RR	TT	CCCCC

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								PERIOD OF RECORD: 78-87 MONTH: JAN HOURS(LST): 0600-0900	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			
N	.8	1.3								2.2	4.1
NNE	1.9	1.6								3.5	3.4
NE	.5	1.1								1.6	3.8
ENE	1.6	1.1	1.1	.3	.3					4.3	5.7
E	1.3	.3	.3	.3						2.2	4.5
ESE	.3	.3								.5	4.0
SE											
SSE	.8	.3								1.1	2.5
S	1.1	.5	.3							1.9	3.9
SSW	2.2	.8		.3						3.2	3.6
SW	.5	3.2	3.5	1.1						8.3	7.3
WSW	1.1	2.7	3.5	4.8	.3					12.4	9.2
W	3.2	2.2	4.3	1.6	.5					11.8	7.1
WNW	.3	.5	.3	.5						1.6	6.8
NW	.5	.5								1.1	4.5
NNW	.3	.3	.5							1.1	9.8
VARIABLE		1.6	3.8	.5	.3					6.2	13.1
CALM	/	/	/	/	/	/	/	/		37.1	/
TOTALS	16.1	16.7	15.1	13.2	1.3	.5				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 372

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	1.8									3.0	3.6
NNE	.9	.4									1.2	3.0
NE	1.8	.5	.7	.2							3.2	4.4
ENE	1.8	1.1	.7	1.2							4.8	6.1
E	1.6	1.2	.5	.2							3.6	4.6
ESE	.7	.4	.4								1.4	4.1
SE	.5		.5								1.1	5.2
SSE		.2									.2	4.0
S	.7	.2									.9	3.0
SSW	.9	.4		.2							1.4	4.6
SW	.9	2.3	2.0	.9							6.1	7.3
WSW	2.0	3.9	4.5	4.5	.7	.2					15.7	9.1
W	1.2	2.1	4.5	2.3	.7						10.9	8.7
NNW	.9	1.1									2.0	3.6
NW	.5	.2									.7	3.0
NNW	.2	.5									.7	7.8
VARIABLE		.2	3.9	6.4	1.1						11.6	12.0
CALM	//										31.4	////
TOTALS	15.7	16.1	18.2	15.9	2.5	.2					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.6	.2								2.2	4.6
NNE	1.1	.9									2.0	3.0
NE	1.3	.4	.7	.7							3.1	6.9
ENE	.9	1.4	2.4	.9							5.6	7.0
E	2.2	1.1	.5	.9							4.7	5.3
ESE	1.4	.5	.5								2.5	4.0
SE	.5	.4									.9	3.2
SSE		.2									.2	4.0
S	.2	.5	.2								.9	4.8
SSW	.2	1.1									1.3	4.7
SW	.5	3.4	2.9	.4							7.2	6.6
WSW	2.0	3.3	4.7	4.3	.2						14.5	8.6
W	.5	2.2	4.5	3.4							10.7	9.0
NNW	.2	1.3	.7	.4							2.5	6.9
NW	.2	.4	.4								.9	6.0
NNW	.2	.7	.4								1.3	5.1
VARIABLE			5.3	7.8	2.0	.4					15.4	12.7
CALM	/	/	/	/	/	/	/	/	/	/	24.1	/
TOTALS	11.8	19.4	23.4	18.8	2.2	.4					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	1.5									2.2	4.1
NNE	1.1	.7	.2								2.0	4.1
NE	1.1	1.1	.7	.2							3.2	4.9
ENE	1.9	1.7	1.3	.6							5.4	5.6
E	3.4	2.0	1.3	.4							7.1	4.7
ESE	1.1	.6									1.7	3.0
SE	1.3		.2								1.5	2.4
SSE	1.1										1.1	2.0
S	.6	.7	.6								1.9	5.3
SSW	.9	1.1	.2								2.2	3.7
SW	1.1	2.8	2.2	.2							6.3	6.1
WSW	.7	3.0	4.7	4.1	.2	.4					13.0	9.3
W	2.2	3.9	5.0	2.6	.4						14.2	7.8
NNW	.6	1.1	.6	.7	.2						3.2	7.9
NW	.2	.7									.9	4.8
NNW	.4	.4	.2	.2							1.1	6.2
VARIABLE			5.2	5.6	.9	.4					12.1	11.8
CALM	//////////										20.9	//////
TOTALS	18.4	21.4	22.3	14.5	1.7	.7					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 537

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	1.6	.0								2.4	4.1
NNE	1.2	.8	.0								2.1	3.4
NE	1.2	.7	.6	.3							2.9	5.2
ENE	1.5	1.3	1.4	.8	.0						5.1	6.2
E	2.2	1.2	.7	.4							4.6	4.8
ESE	.9	.4	.2								1.6	3.8
SE	.6	.1	.2								.9	3.5
SSE	.4	.1									.6	2.0
S	.6	.5	.2								1.3	4.4
SSW	.9	.8	.0	.1							1.9	4.0
SW	.8	2.9	2.6	.6							6.9	6.8
WSW	1.5	3.3	4.4	4.4	.3	.2					14.1	9.0
-	1.7	2.6	4.6	2.6	.4						11.9	8.2
NNW	.5	1.0	.4	.4	.0						2.4	6.5
NW	.3	.4	.1								.9	4.7
NNW	.1	.4	.3	.1							1.0	6.9
VARIABLE	.0	4.2	6.1	1.2	.2						11.8	12.3
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	27.7	//////
TOTALS	15.4	18.5	20.1	15.8	2.0	.4					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 2021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	1.4										1.6	4.2
NNE	1.9	.3	.3									2.5	2.9
NE	1.9	2.2	1.6									5.8	5.0
ENE	1.6	1.6	3.3	1.1								7.7	6.8
E	2.5	1.6	.8									4.9	3.8
ESE	1.4	.8										2.2	2.9
SE	.5											.5	1.5
SSE													
S	.3											.3	1.0
SSW	.3	.5	.3									1.1	4.8
SW	.8	1.6	.3	.5								3.3	6.1
WSW	1.1	1.4	1.9	.8								5.2	6.6
W	1.9	1.9	1.1	.3								5.2	5.1
NNW		.3	.5									.8	8.0
NW	.5	.3										.8	5.0
NNW	.3											.3	3.0
VARIABLE		1.9	1.4	.5								3.8	11.6
CALM	/	/	/	/	/	/	/	/	/	/	/	53.8	/
TOTALS	15.4	13.7	12.4	4.1	.5							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 364

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	.6	.6								1.5	5.0
NNE	2.6	1.1	.2								3.9	3.0
NE	1.3	1.3	.7	.6							3.9	5.6
ENE	2.6	3.1	2.6	1.7							9.9	6.4
E	2.9	1.8	2.4	.9							8.1	5.8
ESE	2.0	.6									2.6	2.9
SE	.6										.6	2.0
SSE												
S												
SSW	.4	.6	.2								1.1	4.8
SW	.7	.9	1.3	.2							3.1	6.1
WSW	1.1	2.6	2.4	.6							6.6	6.7
W	1.7	2.0	2.0	.9							6.6	6.4
WNW		.9	.4	.2							1.5	6.3
NW	.2	.2	.4								.7	9.0
NNW	.4		.4								.7	5.8
VARIABLE		3.1	2.8	1.3	.2	.2					7.6	12.5
CALM	//										41.6	////
TOTALS	16.5	15.5	16.4	8.1	1.3	.2	.2				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 543

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
 MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	1.3	.2									2.4	4.2
NNE	3.0	1.7	.7									5.4	3.7
NE	1.5	2.6	.7	1.3								6.1	6.1
ENE	2.8	3.7	5.0	1.3								12.8	6.4
E	3.7	4.8	3.1	2.0								13.7	6.1
ESE	1.7	1.5	.2									3.3	3.6
SE	1.1	.6										1.7	3.4
SSE	.4											.4	2.0
S	.2	.2										.4	4.0
SSW		.2										.2	4.0
SW		1.1	.7	.2								2.0	7.0
WSW	.7	2.2	3.5	.9		.2						7.6	7.9
W	.6	1.3	2.2	1.3								5.4	7.9
WNW	.6	.6	.7	.4								2.2	6.9
NW	.6	.2	.6	.4								1.7	7.2
NNW		.2	.2	.2								.6	7.7
VARIABLE			5.0	4.3	.7	.2	.2					10.4	11.9
CALM	/	/	/	/	/	/	/	/	/	/	/	24.0	/
TOTALS	17.6	22.0	22.9	12.2	.7	.4	.2					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 541

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.1	.8	.4								3.2	3.6
NNE	1.5	1.3	.9								3.8	4.4
NE	2.6	3.8	2.3	.8							9.4	5.5
ENE	2.4	4.1	3.4	1.5							11.4	6.1
E	5.4	3.6	2.4	1.3							12.8	5.1
ESE	1.9	1.9									3.8	3.3
SE	.8	.9	.4								2.1	4.5
SSE	.4	.4									.8	3.0
S	.2										.2	2.0
SSW	.6	.6									1.1	3.5
SW	.4	2.3	.6	.2							3.4	5.5
WSW	.8	2.3	1.5	1.5							6.9	7.4
W	1.5	.9	1.5	1.3							5.1	7.1
WNW	.2	.8	.4	.4							1.7	7.2
NW	.4	.9	.4	.2							1.9	6.2
NNW	.6	.4									.9	3.2
VARIABLE			5.1	3.4	.4						8.8	11.0
CALM	/	/	/	/	/	/	/	/	/	/	23.8	/
TOTALS	21.6	24.6	19.1	10.5	.4						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL 8	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.0	.2									2.2	3.8
NNE		1.0	.5									1.5	5.3
NE	1.9	.2	.5									2.7	3.3
ENE	1.0	.2	.7									1.9	5.4
E	.7		.2									1.0	5.3
ESE	.5	.2										.7	2.3
SE	.2	.5										.7	4.0
SSE	.5											.5	2.0
S	.7											.7	1.3
SSW	1.5	1.5										2.9	3.3
SW	1.5	3.2	2.2	1.2		.5						8.5	7.4
WSW	4.1	4.1	4.6	1.5								14.3	6.1
W	2.9	3.2	3.2	1.0								10.2	6.0
WNW	1.2	.5										1.7	3.1
NW	.2	.2										.5	3.5
NNW		.5										.5	5.3
VARIABLE			2.9	1.9								4.9	10.3
CALM	/	/	/	/	/	/	/	/	/	/	/	44.7	/
TOTALS	18.0	16.3	14.8	5.8		.5						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 412

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	1.1	.2									2.8	3.8
NNE	.9	.7		.2								2.6	3.4
NE	1.1	1.1	.7	.7								3.6	6.0
ENE	1.6	1.5	1.8	.7	.2							5.7	6.6
E	2.3	4.4	.7	.2								7.5	4.4
ESE	1.1	1.1	.3									2.6	4.1
SE	.3	.2		.2								.7	5.8
SSE	.3	.2										.5	3.3
S	.2	.5										.7	4.3
SSW	.2	.3	.8	.5	.2							2.0	9.3
SW	.5	1.3	4.2	2.4	.2	.2						8.8	9.7
WSW	.7	3.4	3.4	4.7	.5							12.7	9.6
W	1.5	2.8	3.3	2.3	.2							10.0	7.8
NNW	.8	.8	1.5	.3								3.4	6.3
NW	.5	.5	.3	.2								1.5	5.8
NNW	.5	.8	.5	.2								2.0	5.5
VARIABLE		11.9	8.0	1.0								20.9	10.9
CALM	/	/	/	/	/	/	/	/	/	/	/	12.2	////
TOTALS	14.8	20.7	29.5	20.4	2.1	.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	.9	.2									1.5	3.7
NNE	2.4	.2	.5									3.1	3.7
NE	1.2	.9	1.4	.3								3.7	6.1
ENE	1.4	2.6	1.4	.5								5.8	6.3
E	4.1	3.9	1.7									9.7	4.5
ESE	2.0	.9										2.9	3.1
SE	.3	.3	.5									1.2	5.4
SSE	.2		.2									.3	5.5
S	.3	.2	.2									.7	3.8
SSW	.2	1.5	1.2	.3								3.2	7.2
SW	.3	2.9	4.8	1.9	.3							10.2	8.5
WSW	1.2	2.2	3.4	3.1		.2						10.1	8.8
W	.9	3.4	2.7	1.7								8.7	7.2
WNW	.9	2.9	.9									4.6	5.0
NW	.7	1.4	.5									2.6	4.9
NNW	.3	.9	.2									1.4	5.3
VARIABLE			12.8	7.2	.3							20.3	10.3
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.1	//////
TOTALS	16.9	24.9	32.9	15.0	.7	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS/LST: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.0	1.0	.2								2.2	3.8
NNE	1.5	.6	.3	.0							2.4	3.8
NE	1.4	1.0	.7	.3							3.4	5.2
ENE	1.6	1.5	1.6	.5	.0						5.2	6.2
E	2.4	2.5	.8	.1							5.8	4.4
ESE	1.1	.6	.1								1.8	3.4
SE	.4	.3	.1	.0							.9	4.5
SSE	.3	.0	.0								.4	2.9
S	.3	.2	.1								.5	3.8
SSW	.4	.9	.8	.2	.0						2.4	6.7
SW	.7	2.5	4.0	1.5	.2	.3					9.2	8.5
WSW	1.8	3.5	4.3	3.0	.3	.1					13.0	8.2
W	1.8	2.9	3.0	1.6	.0						9.4	6.9
VNW	.8	1.3	.8	.2	.0						3.1	5.7
NW	.5	.6	.4	.0							1.5	5.0
NNW	.4	.7	.2	.0							1.4	5.0
VARIABLE			9.0	6.1	.5						15.6	10.7
CALM	/	/	/	/	/	/	/	/	/	/	21.8	/
TOTALS	16.3	20.3	26.4	13.7	1.2	.4					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 2224

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.6	1.9	.2								3.6	3.9
NNE	1.0	1.4									2.4	3.4
NE	1.6	1.2	.7	.2							3.6	4.6
ENE	.9	.2	.3								1.4	3.9
E	.7										.7	2.0
FSE	.2										.2	3.0
SE	.3	.3									.7	3.3
SSE	.5										.5	1.3
S	.3										.3	2.5
SSW	1.0	.7	.2								1.9	3.3
SW	2.1	1.0	.9								4.0	3.9
WSW	4.7	2.8	1.6	.9							9.9	5.0
W	5.9	3.1	2.8	.7							12.5	4.7
WNW	1.0	.9									1.9	3.5
NW	.9	1.0									1.9	3.8
NNW	.9	1.0	.2								2.1	4.3
VARIABLE			2.6	.9							3.5	9.5
CALM	/	/	/	/	/	/	/	/	/	/	48.8	/
TOTALS	23.6	15.6	9.4	2.6							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.3	2.7	1.6								6.6	4.8
NNE	3.9	2.1	.2								6.1	2.9
NE	1.9	1.6	.6	.3	.3						4.8	5.6
ENE	3.5	2.6	1.3	.5	.2						8.1	4.9
E	2.9	2.7	1.0	.2							6.8	4.3
ESE	.3	.3									.6	3.5
SE	.3	.2									.5	3.0
SSE	.2	.2									.3	3.5
S	.3	.3	.2								.8	4.8
SSW	.5	.6	.3								1.5	4.8
SW	1.0	1.6	1.0								3.7	5.3
WSW	.6	3.5	1.1	1.1							6.5	6.8
W	1.9	3.1	2.9	2.4							10.3	7.4
WNW	.6	1.1	.3	.3							2.4	5.7
NW	.2	1.3	.6	.2							2.3	6.0
NNW	.8	1.5		.2							2.4	4.4
VARIABLE			9.2	4.2	.2						13.5	9.6
CALM	/	/	/	/	/	/	/	/	/	/	22.7	/
TOTALS	21.3	25.6	20.3	0.4	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1200-1400

DIRECTION: (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.7	3.8	1.0								6.5	4.9
NNE	1.8	1.3	.7								3.8	3.8
NE	1.7	2.2	1.3	.7	.3						6.2	6.5
ENE	4.3	2.5	.7	.5							8.0	4.0
E	4.7	6.0	.8								11.5	4.0
ESE	2.7	1.7	.2								4.5	3.2
SE	1.0	.7									1.7	3.8
SSE	.8	.5	.2								1.5	3.6
S	.5	.7									1.2	3.6
SSW		.8	.8	.2							1.8	7.0
SW	.5	2.0	1.7	.2							4.3	6.0
WSW	.3	2.2	2.3	1.0							5.8	7.9
W	.8	1.7	2.3	2.0	.2						7.0	8.4
WNW	.7	2.5	1.3		.2						4.7	6.0
NW	.5	1.5	.8	.3							3.2	6.5
NNW	.8	1.7	1.2								3.7	5.4
VARIABLE		.2	12.1	6.3	.3						19.0	9.8
CALM	//										5.8	//
TOTALS	22.8	31.8	27.5	11.1	1.0						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.8	4.1	2.3	.7							8.9	5.9
NNE	.7	2.3									3.0	4.1
NE	3.2	2.3	.5	1.4	.7						8.0	6.3
ENE	2.5	2.1	.5	.2							5.3	4.1
E	3.0	5.3	1.1								9.4	4.7
ESE	2.5	2.5	.2								5.3	3.7
SE	.9										.9	4.8
SSE		.2	.2								.5	6.0
S	1.1	.5	.2								1.8	3.4
SSW	.9	1.1	1.1								3.2	5.1
SW	.9	2.5	2.5	.2							6.2	6.1
WSW	1.1	1.8	1.6	1.1							5.7	7.3
W	.9	2.1	2.8	.7							6.4	6.8
NNW	1.1	1.6	1.6	.2							4.6	6.0
NW	1.1	2.1	1.1	.2							4.6	5.6
NNW	.7	2.1	1.1	.2							4.1	6.2
VARIABLE			12.2	4.4							16.5	9.5
CALM	/	/	/	/	/	/	/	/	/	/	5.5	/
TOTALS	21.8	33.5	29.1	9.4	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1~3	4~6	7~10	11~16	17~21	22~27	28~33	34~40	41~47	48~55		
N	1.8	3.1	1.2	.1							6.3	5.0
NNE	2.0	1.7	.2								3.9	3.4
NE	2.0	1.8	.8	.6	.3						5.5	5.9
ENE	2.9	1.8	.7	.3	.0						5.8	4.4
E	2.8	3.4	.7	.0							7.0	4.2
ESE	1.3	1.0	.1								2.5	3.4
SE	.4	.5									.9	3.8
SSE	.4	.2	.1								.7	3.4
S	.5	.4	.1								1.0	3.7
SSW	.6	.9	.6	.0							2.0	5.1
SW	1.1	1.8	1.4	.1							4.4	5.4
WSW	1.7	2.6	1.7	1.0							7.0	6.5
-	2.5	2.5	2.7	1.5	.7						9.2	6.6
NNW	.9	1.5	.8	.1	.0						3.3	5.5
NW	.6	1.4	.6	.2							2.9	5.6
NNW	.8	1.5	.6	.1							3.0	5.2
VARIABLE	.0	6.9	3.9	.1							13.0	9.7
CALM	/	/	/	/	/	/	/	/	/	/	21.5	/
TOTALS	22.4	26.2	21.1	8.1	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 2233

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	1.9		.2								4.4	3.8
NNE	1.8	1.2										3.0	3.0
NE	.4	.7										1.1	3.3
ENE	1.9	1.6	.7									4.2	4.4
E	1.2	.4	.9									2.5	4.7
ESE	.7											.7	1.0
SE	.5											.5	1.3
SSE	.2											.2	3.0
S	.7	.2										.9	2.8
SSW	.9	.9										1.8	3.5
SW	1.8	3.0	1.2	.2								6.2	5.0
WSW	4.2	3.0	2.8	.7								10.7	5.5
W	6.5	4.2	1.2									12.0	3.6
WNW	1.4	1.2	.2									2.8	3.6
NW	.4	.5	.2									1.1	4.0
NNW	.5	.7	.2									1.4	5.0
VARIABLE		1.8	.7	.2								2.6	10.2
CALM	/	/	/	/	/	/	/	/	/	/	/	44.0	/
TOTALS	25.4	19.5	9.0	1.9	.2							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREIZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-45	46-55		
N	1.8	3.1	.5	.2							5.6	4.5
NNE	3.1	1.3	.2								4.6	3.1
NE	1.6	1.0	.3	.2							3.1	4.1
ENE	3.1	2.5	1.2	.3							7.1	4.6
E	4.6	3.1	1.0	.2							8.9	3.9
ESE	1.8	.7	.2								2.6	2.9
SE	.2		.2								.3	4.0
SSE	.2	.3									.5	3.7
S	.5	.5									1.0	3.7
SSW	.5	1.3	.3								2.1	4.8
SW	2.1	2.8	.7								5.6	4.3
WSW	.7	3.2	3.3	.5	.2						8.4	6.9
#	2.1	4.1	3.3	.8							10.4	6.1
WNW	1.8	.8	.5	.2							3.3	4.4
NW	.7	1.0	.3								2.0	4.6
NNW	.5	.8	.5								1.8	5.0
VARIABLE			7.7	2.0	.2						10.9	9.7
CALM	/	/	/	/	/	/	/	/	/	/	21.9	/
TOTALS	25.3	27.1	20.1	5.3	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.4	2.4	.2								5.0	3.7
NNE	2.2	2.6									4.8	3.9
NE	2.4	1.0	.9								4.3	4.0
ENE	2.6	2.4	1.2	.9							7.1	5.4
E	5.9	3.4	1.0	.3							10.7	4.1
ESE	2.2	2.2	.7								5.2	4.0
SE	1.4	1.0	.2								2.6	4.2
SSE	.2	.2									.3	2.5
S	.5	.5	.2	.2							1.4	5.5
SSW	1.0	1.4	.5								2.9	4.7
SW	1.0	1.5	.9	.5	.2						4.1	6.7
WSW	2.1	3.8	2.9	.3							9.1	5.9
*	1.7	2.6	2.1	.5							6.9	6.1
NNW	.9	1.2	.5	.5							3.1	6.0
NW	.5	1.2	.7	.2							2.6	5.7
NNW	1.0	1.2	.3	.2							2.8	4.6
VARIABLE		14.3	3.6								17.9	9.3
CALM	/	/	/	/	/	/	/	/	/	/	9.3	/
TOTALS	28.1	28.7	26.5	7.2	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
 MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	3.3	.7									4.8	4.9
NNE	2.6	1.2										3.8	3.2
NE	1.7	1.7	.5									3.8	4.1
ENE	1.2	2.1	1.4	.2								5.0	5.8
E	4.0	5.5	1.4	.2								11.2	4.4
ESE	3.1	2.9	.5									6.4	3.9
SE	1.0	1.4										2.4	3.8
SSE	1.4	.2										1.7	2.0
S	.5	1.7	.2									2.4	4.4
SSW	.5	2.1	.5	.5								3.6	6.2
SW	.7	2.4	1.9	1.0								5.9	7.1
WSW	.7	3.8	2.9	1.2								8.6	7.3
W	2.9	2.9	4.0	1.9								11.6	7.0
NNW	1.0	1.7		.2								2.9	4.7
NW	.5	.7	1.2	.2								2.6	6.4
NNW	1.0	.2	1.0									2.1	5.2
VARIABLE		.7	10.0	5.0								15.7	9.7
CALM	/	/	/	/	/	/	/	/	/	/	/	5.7	/
TOTALS	23.3	34.4	26.1	10.5								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 421

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS/1ST: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.9	2.7	.3	.1							5.0	4.2
NNE	2.4	1.6	.0								4.1	3.3
NE	1.5	1.1	.4	.6							3.0	4.0
ENE	2.3	2.2	1.1	.4							5.9	5.0
E	3.9	2.9	1.1	.2							8.1	4.2
FSE	1.9	1.3	.3								3.5	3.6
SE	.7	.6	.1								1.4	3.8
SSE	.4	.2									.6	2.5
S	.6	.6	.1	.6							1.3	4.3
SSW	.7	1.4	.3	.1							2.5	4.9
SW	1.5	2.4	1.1	.4	.0						5.4	5.6
WSW	2.0	3.6	3.0	.6	.0						9.2	6.3
*	3.3	3.5	2.6	.7							10.1	5.5
WNW	1.3	1.2	.3	.2							3.0	4.7
NW	.5	.9	.6	.1							2.0	5.3
NNW	.7	.8	.4	.1							2.0	4.9
VARIABLE		.1	8.4	2.9	.1						11.5	9.5
CALM	/	/	/	/	/	/	/	/	/	/	21.2	/
TOTALS	25.7	27.0	20.1	5.9	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 2178

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.8	.7	.2								2.6	3.0
NNE		1.1									1.1	2.0
NE		1.1									1.1	1.5
ENE		1.6	.7								2.3	2.2
E		1.4	.4								1.8	1.9
ESE												
SE		.2									.2	3.0
SSE		.2									.2	3.0
S		.2									.2	2.0
SSW		.5	.5	.2							1.2	3.4
SW		3.5	1.8	.4							5.6	3.3
WSW		4.4	5.4	3.2	.4	.2					13.5	5.3
W		7.4	6.7	1.9	.9						16.9	4.4
NNW		1.9	.7	.2							2.8	2.9
NW		.7	.7	.2							1.6	3.6
NNW		.7	.7								1.4	3.8
VARIABLE			3.2	.7	.2						4.0	9.3
CALM											43.6	11.1
TOTALS	26.5	18.3	9.3	1.9	.4						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 559

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.3	2.1										3.4	3.9
NNE	1.8	2.0	.2									3.9	3.7
NE	1.3	2.6										3.9	3.7
ENE	2.1	2.6										4.7	3.6
E	3.6	2.5	.2									6.2	3.0
ESE	2.1	.3										2.5	2.0
SE	.3											.3	1.0
SSE	.3											.3	2.0
S	.8	.5										1.3	3.4
SSW	1.0	1.1	.5									2.6	4.3
SW	2.0	4.4	1.6	.3								8.3	5.4
WSW	1.8	5.4	3.4	1.1								12.8	6.1
W	2.5	5.9	3.6	1.6	.2							13.7	6.5
WNW	1.0	1.0	.8									2.8	5.1
NW	.8	.3	.3									1.5	3.8
NNW	.5	1.1										1.6	4.5
VARIABLE			8.5	2.5	.2							11.1	9.5
CALM	/	/	/	/	/	/	/	/	/	/	/	18.8	/
TOTALS	23.2	32.9	19.1	5.6	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.8	1.5	.2								2.5	4.1
NNE	1.4	1.2	.3								2.9	3.8
NE	1.2	1.4									2.5	3.4
ENE	2.4	2.7									5.1	3.5
E	3.4	4.4	.5								8.3	3.8
ESE	1.2	1.2									2.4	3.4
SE	.5	.7									1.2	3.7
SSE	1.2	.7									1.9	2.9
S	.8	.5									1.4	3.5
SSW	.7	1.5	.5								2.7	4.8
SW	.7	4.4	3.2	1.0							9.3	6.7
WSW	1.5	4.9	3.1	1.2							10.7	6.4
W	2.2	4.9	5.8	1.7	.2						14.8	7.2
WNW	2.0	2.9	.3								5.3	4.1
NN	.3	1.5	.7								2.5	5.7
NNW	1.2	1.2	.2								2.5	3.9
VARIABLE	.2	12.6	4.8	.3							17.8	9.7
CALM	/	/	/	/	/	/	/	/	/	/	6.1	/
TOTALS	21.6	35.8	27.3	8.7	.5						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.1	2.9	.2								6.2	3.7
NNE	2.1	.7									2.9	3.0
NE	1.7	.7	.2								2.6	3.5
ENE	1.9	1.7	.2								3.8	3.8
E	3.8	4.8									8.6	3.7
ESE	1.4	1.2									2.6	3.3
SE	.7	.5									1.2	3.2
SSE	1.0	1.0									1.9	3.0
S	1.0	.7									1.7	3.1
SSW	.7	1.4	.5	.5							3.1	5.7
SW	1.0	4.3	3.1								8.4	5.8
WSW	2.1	7.2	4.3	.5							14.1	6.4
-	2.4	4.3	3.8	1.2							11.7	6.6
WNW	.5	3.1	1.2	.2							5.0	6.0
NW	.2	1.0	.7								1.9	6.1
NNW	1.2	1.4	.2								2.9	4.3
VARIABLE			10.0	E.3							15.3	9.9
CALM	/	/	/	/	/	/	/	/	/	/	6.2	/
TOTALS	24.8	36.8	24.6	7.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	16-20	21-27	28-33	34-40	41-47	48-55		
N	1.6	1.7	.1								3.5	3.7
NNE	1.0	1.0	.1								2.7	3.4
NE	1.3	1.2	.0								2.6	3.3
ENE	2.0	2.0	.0								4.0	3.4
E	3.0	2.9	.2								6.1	3.4
ESE	1.2	.0									1.8	2.9
SE	.4	.3									.7	3.1
SSE	.6	.4									1.0	2.9
S	.7	.4									1.1	3.2
SSW	.7	1.1	.4	.1							2.4	4.7
SW	1.8	3.7	2.0	.4							7.9	5.5
WSW	2.5	5.9	3.4	.8	.0						12.7	6.0
W	3.7	5.5	3.8	1.4	.1						14.4	6.1
WNW	1.4	1.8	.6	.0							3.9	4.6
NW	.5	.9	.5								1.9	4.9
NNW	.9	1.1	.1								2.1	4.1
VARIABLE	.0	8.5	3.2	.2							11.9	9.7
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.4	//////
TOTALS	23.9	30.6	19.8	5.9	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 2198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.6	1.4	.2								4.2	3.4
NNE	1.0	.2									1.2	1.8
NE	.6	.4									1.0	2.6
ENE	1.2	.6									1.8	2.6
E	.8	.2									1.0	2.2
ESE	.4										.4	2.5
SE	.2										.2	1.0
SSE	.4										.4	2.0
S	1.0										1.0	1.8
SSW	1.2										1.2	2.0
SW	4.2	1.6	1.0								6.7	3.7
WSW	5.6	4.6	2.6	.4							13.1	4.3
W	7.9	3.2	1.6								12.7	3.3
NNW	2.2	.4	.4								3.0	2.7
NW	.4	.6									1.0	3.6
NNW	1.0	.6	.4								2.0	3.9
VARIABLE			1.2								1.2	7.7
CALM	/	/	/	/	/	/	/	/	/	/	48.0	/
TOTALS	30.6	13.7	7.3	.4							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 534

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.6	2.6	.2								5.3	3.6
NNE	3.3	1.8	.2								5.3	3.0
NE	3.7	1.3									5.0	2.7
ENE	5.0	1.3									6.2	2.4
E	5.5	3.9									9.4	3.2
FSE	.9	.4									1.3	2.9
SE	.4										.4	2.5
SSE												
S	.4										.4	1.5
SSW	1.8	.6	.2								2.6	2.6
SW	2.6	2.9	2.2								7.7	4.9
WSW	2.8	5.7	1.8	.2							10.5	5.2
W	3.5	5.3	2.2	.4	.2						11.6	5.4
NNW	1.7	1.8	.2								3.7	3.9
NW	.4	1.1	.4								1.8	4.8
NNW	2.2	.9	.2								3.3	3.2
VARIABLE		.2	6.8	1.7							8.6	8.9
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.9	//////
TOTALS	36.6	29.8	14.3	2.2	.2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 544

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORDS: 78-87
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.1	3.2	.4									5.7	4.2
NNE	1.5	1.7	.4									3.6	3.9
NE	2.3	1.9										4.2	3.6
ENE	3.6	2.6										6.2	3.5
E	4.2	4.3										8.5	3.5
ESE	1.9	1.7										3.6	3.4
SE	.9	.9										1.9	3.7
SSE	.9	.2										1.1	2.5
S	1.1	.9										2.1	3.5
SSW	.9	1.3	.2									2.5	4.2
SW	.8	2.8	1.7	.2								5.5	5.8
WSW	1.7	6.2	2.5	.9								11.3	6.0
W	2.5	3.0	4.7	.8								10.9	6.6
WNW	2.3	2.1	1.1	.2								5.7	4.7
NW	.6	2.3	.2									3.0	4.6
NNW	2.1	2.3										4.3	3.8
VARIABLE		.2	10.9	4.0	.2							15.3	9.8
CALM	/	/	/	/	/	/	/	/	/	/		4.7	/
TOTALS	29.2	37.7	22.1	6.0	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.9	5.5	.5									8.9	4.3
NNE	2.6	1.6	.3									4.4	3.8
NE	1.8	.5										2.3	3.0
ENE	1.6	3.1										4.7	3.9
E	3.7	3.4	.3									7.3	3.7
ESE	1.8	1.0										2.9	3.4
SF	1.0											1.0	2.0
SSE	.8	.3										1.0	3.0
S	1.8	.5										2.3	3.0
SSW	.8	1.8	.3									2.9	4.8
SW		1.3	1.6	.8								3.7	7.8
WSW	1.6	3.9	3.4	1.0								9.9	6.8
W	2.1	4.4	6.0	1.0								13.6	6.9
WNW	2.3	2.1	1.6									6.0	4.7
NW	1.8	2.9		.3								5.0	4.4
NNW	.5	2.1										2.6	4.4
VARIABLE			11.2	3.4								14.6	9.2
CALM	/	/	/	/	/	/	/	/	/	/		6.8	/
TOTALS	27.2	34.5	25.1	6.5								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 383

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND		
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.5	3.0	.3									5.8	3.9
NNE	2.1	1.3	.2									3.6	3.4
NE	2.1	1.1										3.2	3.0
ENE	3.0	1.8										4.8	3.1
E	3.6	3.0	.1									6.6	3.4
ESE	1.2	.8										2.0	3.3
SE	.6	.3										.9	3.0
SSE	.5	.1										.6	2.6
S	1.0	.4										1.4	2.9
SSW	1.2	.9	.2									2.2	3.5
SW	2.0	2.2	1.6	.2								6.1	5.1
WSW	3.0	5.2	2.5	.6								11.3	5.4
W	4.1	4.0	3.5	.5	.1							12.1	5.5
NNW	2.1	1.6	.8	.1								4.5	4.2
NW	.7	1.6	.2	.1								2.5	4.5
NNW	1.5	1.4	.2									3.1	3.7
VARIABLE		.1	7.3	2.2	.1							9.7	9.3
CALM	/	/	/	/	/	/	/	/	/	/	/	19.6	/
TOTALS	31.2	28.7	16.7	3.6	.1	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 1961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.1	.2									1.2	2.1
NNE	.5										.5	2.0
NE	.7	.2									.9	1.8
ENE	.5										.5	1.0
E	.4										.4	1.5
ESE	.2										.2	1.0
SE		.2									.2	7.0
SSE												
S	.4										.4	1.3
SSW	.5	.5									1.1	3.2
SW	1.9	1.6	1.4	.4							5.3	5.4
WSW	7.0	5.8	1.8								14.6	3.9
W	9.1	3.9	1.6	.2							14.7	3.4
WNW	1.1	.5									1.6	3.2
NW	.4	.2	.2								.7	4.0
NNW	.9	.2									1.1	2.8
VARIABLE		1.4	.4								1.8	8.7
CALM	/	/	/	/	/	/	/	/	/	/	55.1	/
TOTALS	24.6	13.0	6.5	.9							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS: 570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.0	1.9	.2								3.9	3.5
NNE	2.5	1.6	.2								4.3	3.2
NE	3.1	1.9	.2								5.1	3.0
ENE	2.9	1.1	.2								4.3	2.9
E	3.1	1.0									4.1	2.4
ESE	1.1	.2									1.3	2.3
SE	.2										.2	1.0
SSE	.5										.5	1.7
S	.8										.8	1.8
SSW	.5	.3	.2								1.0	4.0
SW	1.6	2.6	.8	.3							5.4	5.2
WSW	3.1	5.4	2.1	.5							11.1	5.0
W	2.3	4.3	3.4	.7							10.6	5.9
NNW	1.9	1.6	.5	.3							4.3	4.7
NW	.5	1.0	.3								1.8	4.5
NNW	1.0	1.3	.5								2.9	4.2
VARIABLE			6.9	2.6							9.5	9.4
CALM	/	/	/	/	/	/	/	/	/	/	29.1	/
TOTALS	27.0	24.1	15.4	4.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	2.7	.3									4.0	4.4
NNE	2.0	2.5										4.5	3.6
NE	2.0	1.7										3.7	3.4
ENE	2.7	1.8	.2	.2								4.9	3.9
E	3.5	3.7	.3									7.6	3.7
ESE	1.5	1.8	.2									3.5	3.8
SE	.8	.9										1.7	3.6
SSE	1.3	.5										1.8	2.8
S	1.5	.7										2.2	2.7
SSW	1.7	1.0	1.0	.3								4.0	5.1
SW	1.5	2.0	2.0	.3								5.9	6.0
WSW	2.7	4.0	2.5	.3								9.6	5.5
#	2.2	4.9	3.5	1.2								11.8	6.3
NNW	.8	2.0	1.0	.2								4.0	6.0
NW	1.3	1.0	.5									2.9	4.0
NNW	1.0	1.5	.5									3.0	4.6
VARIABLE			14.6	3.9	.2							18.7	9.3
CALM	/	/	/	/	/	/	/	/	/	/	/	6.2	/
TOTALS	27.7	32.8	26.7	6.4	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.6	3.1	1.2								5.9	5.0
NNE	3.5	2.1	.5								6.1	3.4
NE	1.4	1.6									3.1	3.8
ENE	1.6	1.9									3.5	3.2
E	.7	3.8	.5								4.9	4.8
ESE	1.4	1.4	.2								3.1	4.2
SE	.7	1.9									2.6	4.3
SSE	1.4	.2									1.6	2.6
S	1.2	.5									1.6	2.6
SSW	.7	.9	1.4								3.1	6.3
SW	.7	1.2	2.4	.5							4.7	7.4
WSW	2.1	6.4	3.8	.7							12.9	6.2
W	2.8	6.6	5.6	.7							15.8	6.3
WNW	.9	2.4	.7	.5							4.5	5.8
NW	1.2	1.6	.5	.2							3.5	5.1
NNW	.7	1.4	.2								2.4	4.5
VARIABLE			12.2	3.1							15.3	9.2
CALM	/	/	/	/	/	/	/	/	/	/	5.4	/
TOTALS	22.9	36.9	29.2	5.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 425

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
 MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	1.9	.4									3.6	4.1
NNE	2.0	1.5	.1									3.7	3.3
NE	1.9	1.3	.0									3.2	3.2
ENE	2.0	1.2	.1	.0								3.3	3.3
E	2.0	2.0	.2									4.2	3.6
ESF	1.0	.8	.1									2.0	3.6
SE	.4	.6	.0									1.0	4.0
SSE	.8	.2										1.0	2.6
S	1.0	.3										1.2	2.4
SSW	.9	.7	.6	.1								2.2	5.1
SW	1.5	1.9	1.6	.4								5.4	5.8
WSW	3.8	5.3	2.5	.4								11.9	5.0
W	4.1	4.8	3.4	.7								13.0	5.3
WNW	1.2	1.6	.5	.2								3.5	5.2
NW	.8	.9	.4	.0								2.1	4.4
NNW	.9	1.1	.3									2.3	4.2
VARIABLE			8.6	2.5	.0							11.1	9.3
CALM	/	/	/	/	/	/	/	/	/	/		25.1	/
TOTALS	25.9	26.0	18.8	4.3	.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 2231

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7											.7 2.3
NNE	.5	.2										.7 2.7
NE	.2											.2 1.0
ENE	.7											.7 2.0
E	.6											.5 2.5
ESE	.7											.7 1.0
SE												
SSE												
S	.7											.7 1.3
SSW	.7	.5										1.2 3.0
SW	2.6	1.7	.7									5.0 3.4
WSW	5.5	4.3	3.6	.2								13.6 5.0
W	6.0	3.1	2.9	1.2	.2							13.4 5.2
NNW	.7		.2									1.0 4.0
NW	.5	.2										.7 2.7
NNW	.2	.2										.5 2.5
VARIABLE			3.8									3.8 7.9
CALM	/	/	/	/	/	/	/	/	/	/		56.6 / / / /
TOTALS	20.3	10.3	11.2	1.4	.2							100.0 2.0

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	1.3										2.1	3.4
NNE		3.4	1.5									4.9	2.5
NE	1.9		.2	.2								2.4	2.5
ENE		1.5	.6		.2							2.4	3.3
E		3.0	.4									3.4	2.4
ESE		1.3										1.3	1.8
SE													
SSE		.4	.2									.6	2.3
S		.2										.2	3.0
SSW		1.1	.2									1.3	2.3
SW	1.9	1.5	1.7	.2								5.3	5.2
WSW	3.4	4.5	4.7	.6	.2							13.5	5.9
W		3.4	2.8	3.6	1.9							11.8	6.3
NNW		.6	.4	.4								1.5	4.3
NW		.4	.2	.2								.9	4.3
NNW		.6	.4									1.1	3.0
VARIABLE			9.2	2.4	.4							12.0	9.6
CALM	/	/	/	/	/	/	/	/	/	/	/	35.5	1.1
TOTALS	24.1	14.3	20.1	5.3	.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
 MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.6										3.7	3.8
NNE	5.2	.7										5.9	2.1
NE	2.4	.9	.4									3.7	3.1
ENE	3.0	1.3	.7									5.0	3.5
E	4.1	1.7	.9									6.7	3.5
ESE	1.1	1.3										2.4	3.2
SE	.7	1.1										1.7	4.0
SSE	.9	.2										1.1	1.8
S	1.1	.4										1.5	2.3
SSW	1.7	.7	.2									2.6	3.5
SW	.9	2.2	1.3	.2								4.6	5.9
WSW	2.4	5.2	2.8	1.1	.2							11.7	6.4
W	2.8	2.6	2.6	2.4								10.4	7.0
WNW	1.1	2.2	1.3	.4								5.0	6.0
NW	1.3	.4										1.7	3.0
NNW	.4	.9										1.3	4.2
VARIABLE			11.3	5.9								17.1	9.9
CALM	/	/	/	/	/	/	/	/	/	/		13.9	/
TOTALS	30.2	24.3	21.5	10.0	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 451

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.8	1.2	.6								3.6	3.8
NNE	3.0	1.8	.6								5.4	3.5
NE	3.0	1.5	1.2								5.7	3.6
ENE	2.4	.3	1.2								3.9	3.9
E	2.1	1.2	.3	.6							4.2	4.7
ESE	2.1	1.5									3.6	2.9
SE	1.8	1.2	.3								3.3	3.5
SSE	1.5										1.5	1.8
S	.3										.3	1.0
SSW	1.5	1.5									3.0	3.2
SW	1.2	3.3	1.2	.3							6.0	5.3
WSW	.6	5.1	3.6	1.5							10.9	7.3
W	1.2	4.7	5.4	2.4							13.3	7.3
WNW	2.4	3.3	2.4	.3							8.5	5.4
NW	.6	.9	.6								2.1	5.1
NNW	.9	1.5									2.4	4.0
VARIABLE		10.3	3.6								13.9	9.4
CALM	/	/	/	/	/	/	/	/	/	/	8.2	/
TOTALS	26.6	28.7	27.8	8.8							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 331

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.1	1.3	.1						2.5	3.6
NNE	3.1	1.0	.1						4.2	2.7
NE	1.8	.6	.4						2.9	3.1
ENE	1.9	.6	.4	.1					3.0	3.5
E	2.5	.8	.3	.1					3.8	3.5
ESE	1.3	.7							1.9	2.6
SE	.5	.5	.1						1.1	3.7
SSE	.7	.1							.8	1.9
S	.6	.1							.7	2.0
SSW	1.3	.7	.1						2.0	3.1
SW	1.7	2.1	1.3	.2					5.2	4.9
WSW	3.1	4.8	3.7	.8	.1	.1			12.5	6.0
W	3.5	3.1	3.5	2.0	.1				12.1	6.4
WNW	1.1	1.4	1.0	.2					3.7	5.4
NW	.7	.4	.2						1.3	3.9
NNW	.5	.7							1.3	3.7
VARIABLE		8.6	3.0	.1					11.7	9.6
CALM	/	/	/	/	/	/	/	/	29.4	/
TOTALS	25.3	18.9	19.8	6.3	.2	.1			100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 1679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.5										.8	4.7
NNE	.5											.5	1.5
NE	.5	.3										.8	2.7
ENE	2.3	2.5	.3	.3								5.3	4.1
E	2.0	1.5										3.6	2.9
ESE	.8											.8	2.3
SE	.5											.5	1.5
SSE	1.0											1.0	1.5
S	.3	.3										.5	4.0
SSW	1.5	.3										1.8	2.0
SW	3.3	2.5	1.8	1.0	.3							8.9	5.7
WSW	2.8	7.4	2.8	.6								13.7	5.5
W	2.8	1.5	.3									4.6	3.2
WNW	.3											.3	1.0
NW		.3										.3	10.0
NNW													
VARIABLE			2.8	.8								3.6	9.8
CALM	/	/	/	/	/	/	/	/	/	/	/	53.3	/
TOTALS	18.8	16.8	8.1	2.8	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 394

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3	.8	.2									1.3	4.4
NNE	2.3	.7										3.0	2.3
NE	1.3	.7										2.0	2.7
ENE	2.3	2.5	1.8	.5								7.2	5.3
E	2.5	1.8	.7	.3								5.4	4.5
ESE	1.5	.8										2.3	3.1
SE	.8	.2										1.0	2.7
SSE	.3											.3	2.0
S	.5	.3										.8	3.2
SSW	.5	1.8	.5									2.9	5.5
SW	1.7	3.4	.8	1.0	.3							7.2	6.2
WSW	2.7	6.4	3.2	1.2								13.4	6.0
W	3.9	1.5	1.3	.7								7.4	4.7
WNW	.3	.3										.7	3.0
NW		.2	.2									.3	8.0
NNW		.3	.2									.5	5.3
VARIABLE			3.7	2.9	.5							7.0	10.9
CALM	/	/	/	/	/	/	/	/	/	/	/	37.1	/
TOTALS	21.1	21.6	12.6	6.5	.8							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	1.4	.2									2.7	3.8
NNE	1.7	.9	.2									2.7	3.3
NE	3.4	.5	.5									4.4	2.6
ENE	2.0	2.7	2.2	.3								7.3	5.4
E	4.3	2.6	1.4	.7								8.9	4.7
ESE	2.9	.3	.2									3.4	2.6
SE	.5	.2										.7	2.5
SSE	.7	.2										.9	2.0
S	.7	.5										1.2	3.0
SSW	.7	1.5	.5									2.4	5.4
SW	1.5	3.1	2.0	.5								7.2	6.0
WSW	2.2	3.4	3.7	1.5								10.9	6.8
W	1.4	2.6	2.0	1.2								7.2	6.6
WNW	.5	.7		.2								1.4	4.9
NW	.2	.9	.5									1.5	5.6
NNW	.9	.3	.2									1.4	3.1
VARIABLE				11.4	3.9	.5	.3					16.2	10.3
CALM	/	/	/	/	/	/	/	/	/	/	/	19.8	/
TOTALS	24.4	21.6	25.0	8.3	.5	.3						100.0	4.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.3	1.4	.4								4.1	3.5
NNE	1.6	.7									2.3	2.5
NE	2.5	1.8	.4								4.7	3.8
ENE	2.5	2.9	1.6	.5							7.5	5.1
E	3.0	2.0	1.4	.4							6.8	4.7
ESE	2.0	.5									2.5	2.6
SE	1.4	.2									1.6	2.4
SSE	1.1	.4	.2								1.6	3.3
S	.9	.4									1.3	3.3
SSW	1.4	3.4	.2								5.0	4.1
SW	1.3	4.3	2.3								7.9	5.4
WSW	3.0	4.7	3.9	.5							12.2	5.7
W	1.1	3.4	1.4	.9							6.8	6.3
WNW	1.1	1.6	.2	.2							3.0	4.9
NW	.2	.7									.9	4.4
NNW	.2	.2									.4	5.0
VARIABLE			7.9	4.7	.7						13.3	10.5
CALM	/	/	/	/	/	/	/	/	/	/	18.1	/
TOTALS	25.6	28.3	20.1	7.2	.7						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	16-20	21-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	1.1	.2									2.3	3.8
NNE	1.6	.6	.0									2.3	2.6
NE	2.1	.8	.2									3.1	3.1
ENE	2.3	2.7	1.6	.4								7.0	5.1
E	3.0	2.0	.9	.4								6.4	4.5
ESE	1.9	.5	.0									2.4	2.7
SE	.6	.1										1.0	2.4
SSE	.7	.1	.0									.9	2.5
S	.6	.4										1.0	3.2
SSW	.9	1.9	.3									3.1	4.5
SW	1.8	3.4	1.7	.6	.1							7.7	5.8
WSW	2.7	5.3	3.5	1.0								12.5	6.0
W	2.2	2.3	1.4	.7								6.7	5.5
WNW	.6	.7	.0	.1								1.4	4.5
NW	.1	.5	.2									.8	5.8
NNW	.3	.2	.1									.6	3.9
VARIABLE			6.7	3.2	.5	.1						10.5	10.4
CALM	/	/	/	/	/	/	/	/	/	/	/	30.4	/
TOTALS	22.8	22.5	17.1	6.5	.6	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 2135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.3								.3	2.0
NNE	.6								.6	1.5
NE	1.2	.7	.3						1.7	3.3
ENE	1.2	1.2	.9	.3					3.5	5.9
E	2.9	.6							3.5	2.3
ESE	1.2								1.2	2.0
SE	1.4								1.4	2.0
SSE										
S	.9	.3							1.2	2.5
SSW	2.6	.3	.3						3.2	2.7
SW	2.3	.9	2.6	1.2	.3				7.2	7.3
WSW	2.3	6.1	6.1	2.0					16.5	7.1
-	4.9	2.6	2.0	1.4		.3			11.3	5.7
NNW	.6	.3							.9	3.3
NW	.6	.3							.9	2.7
NNW	.6								.6	1.5
VARIABLE		1.7	.3	.3					2.3	10.0
CALM	/	/	/	/	/	/	/	/	43.9	/
TOTALS	23.4	12.7	13.9	5.2	.6	.3			100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	.8	.6	.2								1.6	4.0
NNE	.6	.4	.4								1.4	4.4
NE	1.2	.6	.4								2.1	4.4
ENE	2.1	.8	1.2	.2							4.3	4.9
E	3.9	1.4		.2							5.4	3.2
ESE	1.2	.4									1.6	2.4
SE	1.0										1.0	2.4
SSE	.4										.4	2.0
S	1.2	.4									1.6	2.5
SSW	1.9	.8	.6								3.3	3.7
SW	1.6	2.3	3.1	1.6	.2						8.7	7.4
WSW	4.5	3.5	6.0	3.9	.6	.4					18.8	7.8
W	3.1	2.7	1.7	1.0							8.5	5.3
WNW		1.4									1.4	4.9
NW	.6										.6	2.7
NNW	.2	.2									.4	4.0
VARIABLE			2.5	2.9							5.4	10.8
CALM	/	/	/	/	/	/	/	/	/	/	33.7	/
TOTALS	24.0	15.3	16.1	9.7	.8	.4					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.6	1.8							3.3	3.6
NNE	1.6	1.0	.2						2.7	3.1
NE	2.1	.6	.2						2.9	2.7
ENE	1.8	.2	.8	1.0					3.7	6.3
E	4.5	1.8	.4	.6					7.2	3.8
ESE	1.2	.2							1.4	2.1
SE	.6								.6	2.3
SSE	.2								.2	2.0
S	.2	.2	.2						.6	5.3
SSW	.8	1.8	.2	.4					3.1	5.4
SW	.8	3.7	2.7	1.2	.4				8.8	7.4
WSW	1.6	3.7	3.9	3.5	.8				13.5	8.5
W	2.3	2.5	3.3	2.7	.2				11.1	7.4
WNW	.6	1.6	.6						2.7	5.4
NW	.2	1.0	.4						1.6	5.4
NNW	.4	.4	.2						1.0	4.4
VARIABLE		6.6	3.9		.2				10.7	10.4
CALM	/	/	/	/	/	/	/	/	24.8	/
TOTALS	20.3	20.3	19.7	13.3	1.4	.2			100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 512

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	.4										2.6	2.7
NNE	2.0	.8	.2									3.0	3.3
NE	1.6	.4	.4	.2								2.6	4.3
ENE	2.0	.6	.8	.6								4.0	5.1
E	5.4	1.2	.6									7.3	3.1
ESE	1.4	.2										2.0	2.0
SE	.8	.2										1.0	2.4
SSE	.2											.2	2.0
S	.6											.6	2.7
SSW	.6	1.2	.2									2.0	4.6
SW	1.6	3.8	3.0	1.0	.8							10.3	7.5
WSW	2.2	5.6	3.6	3.0	.4							14.9	7.4
W	1.4	2.6	4.2	1.6								10.3	7.4
WNW	.8	1.0										1.8	3.8
NW	.8	.6	.2									1.6	4.3
NNW	.8	.4										1.2	3.5
VARIABLE			4.8	2.8	.2							7.9	10.5
CALM	/	/	/	/	/	/	/	/	/	/	/	26.6	/
TOTALS	25.0	19.4	17.9	9.7	1.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.3	.7	.1								2.1	3.3
NNE	1.2	.6	.2								2.0	3.4
NE	1.6	.5	.3	.1							2.4	3.7
ENE	1.8	.6	.9	.5							3.9	5.5
E	4.3	1.3	.3	.2							6.0	3.3
ESE	1.3	.2									1.6	2.1
SE	.9	.1									1.0	2.3
SSE	.2										.2	2.0
S	.7	.2	.1								1.0	3.0
SSW	1.4	1.1	.3	.2							2.9	4.2
SW	1.5	2.8	2.9	1.2	.4						8.9	7.4
WSW	2.7	.6	4.8	1.2	.5	.1					15.9	7.7
W	2.8	2.7	2.9	1.8	.1	.1					10.2	6.6
WNW	.5	1.1	.2								1.8	4.6
NW	.5	.5	.2								1.2	4.2
NNW	.5	.3	.1								.8	3.6
VARIABLE		4.1	2.7	.1	.1						7.0	10.5
CALM	//										31.3	////
TOTALS	23.2	17.3	17.2	9.6	1.1	.2					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 1870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5											.5	2.0
NNE	.5	.8										1.3	4.2
NE	1.3	.8	.5									2.6	4.2
ENE	2.6	1.1	.8	.3								4.7	4.4
E	2.1	2.6	.3									5.0	3.9
ESE	.3	.5										1.3	3.8
SE	1.1	.5										1.6	3.3
SSE	.3											.3	3.0
S	.3											.3	4.0
SSW	1.6											1.6	1.9
SW	1.9	1.6	1.3	1.3								6.1	6.7
WSW	1.8	2.4	5.8	5.3	.3	.3						15.8	9.2
W	1.8	2.6	1.1	1.1	.3							6.8	6.7
WNW	1.1	.5										1.8	6.0
NW	.3											.3	4.0
NNW	.5	.3	.3									1.1	4.0
VARIABLE				4.7	2.6	1.3						8.7	11.3
CALM	/	/	/	/	/	/	/	/	/	/	/	40.3	/
TOTALS	17.9	14.2	14.7	15.5	1.8	.5						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 390

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	.7									1.4	3.0
NNE	1.5	.6									2.0	2.5
NE	1.2	1.2	.7								3.0	4.5
ENE	1.9	.7	.8	.3							3.7	4.9
E	2.7	2.5	.2								5.4	3.7
ESE	1.7	.5									2.2	2.4
SE	1.7	.3									1.4	2.9
SSE	.3										.3	1.0
S	.5		.2								.7	4.3
SSW	1.2	.8	.3								2.4	3.9
SW	1.5	2.7	1.9	.7	.2						6.9	6.6
WSW	3.7	4.4	3.6	5.4	.2	.3					17.6	8.2
W	1.9	2.0	1.9	1.2	.7						7.6	7.6
WNW	.2	.7	.3								1.2	5.1
NW	.2										.2	2.0
NNW	.2	.2	.2		.2						.7	8.8
VARIABLE			3.6	5.4	.5						9.5	11.9
CALM	/	/	/	/	/	/	/	/	/	/	33.8	/
TOTALS	20.3	17.3	13.5	13.0	1.7	.3					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 156265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	.7	.2								1.6	4.2
NNE	1.8	.7									2.5	2.6
NE	1.8	1.1									2.8	2.6
ENE	1.9	1.6	1.6	.9							6.0	5.9
E	2.8	2.5	3.0	.4							8.7	5.3
ESE	1.2	.2									1.4	2.1
SE	.5	.7									1.2	3.0
SSE	.7										.7	2.3
S	.2										.2	2.0
SSW	1.2	1.6	.4	.2							3.4	4.8
SW	.7	4.6	1.1	1.1	.2						7.6	6.6
WSW	2.1	5.5	5.1	5.7	.4	.5					19.3	8.7
W	1.9	.9	3.2	1.4	.5						8.0	8.2
WNW	.4	.7	.4								1.4	4.9
NW	.5	.5	.4								1.4	4.6
NNW	.2	.5	.2								.9	5.0
VARIABLE		2.3	5.8	.7							8.8	12.4
CALM	//////////										24.1	//////
TOTALS	18.8	21.8	17.7	15.4	1.8	.5					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	.8										2.1	2.9
NNE		.8	.8									1.6	3.5
NE		.6		.2								.8	3.0
ENE		2.1	2.3	1.6								6.0	4.9
E		3.5	4.1	.6	.2							8.4	4.2
ESE		1.9	.2									1.9	1.8
SE		1.2	.8									1.9	3.2
SSE		.6		.2								.8	3.0
S		.6	.2									.8	2.3
SSW		1.8	.6	.6								2.9	3.8
SW		2.1	4.1	1.6	.6	.2						8.6	5.7
WSW		1.2	4.3	4.1	7.2	.6						17.3	9.5
W		1.0	1.9	1.6	1.6	.6						6.6	8.5
WNW		.8	.6	.4	.4							2.1	6.4
NW		.2	.4	.2								.8	5.5
NNW		.2	.4	.2								.8	5.5
VARIABLE				5.4	3.3	.2	.2					9.1	10.8
CALM	/	/	/	/	/	/	/	/	/	/	/	27.4	/
TOTALS	19.6	21.4	16.5	13.2	1.6	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 514

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										PERIOD OF RECORD: 77-86	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	
N	.9	.6	.0									1.5	3.3
NNE	1.2	.7										1.9	3.0
NE	1.2	.8	.3									2.3	3.7
ENE	2.1	1.4	1.2	.4								5.1	5.1
E	2.9	2.9	1.1	.1								7.0	4.4
ESE	1.4	.3										1.8	2.4
SE	.9	.6										1.5	3.1
SSE	.5		.0									.5	2.4
S	.3	.1	.0									.5	3.2
SSW	1.4	.8	.3	.0								2.6	4.0
SW	1.5	3.4	1.5	.9	.1							7.4	6.4
WSW	2.3	4.3	4.5	5.9	.3	.3						17.7	8.8
W	1.7	1.8	2.0	1.3	.5							7.3	7.8
WNW	.5	.6	.3	.1			.3					1.6	5.7
NW	.2	.3	.1									.7	4.6
NNW	.2	.3	.2				.0					.8	5.8
VARIABLE		3.9	4.5	.6	.0							9.1	11.6
CALM	//											30.7	//
TOTALS	19.3	19.0	15.7	13.3	1.7	.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.4	1.7	.3	.0							3.3	4.1
NNE	1.8	1.1	.2	.0							3.1	3.3
NE	1.7	1.1	.4	.2	.0						3.4	4.4
ENE	2.2	1.7	1.1	.4	.0						5.3	5.0
E	3.0	2.4	.7	.2							6.3	4.2
ESE	1.4	.7	.1								2.2	3.1
SE	.6	.4	.1	.0							1.0	3.4
SSE	.5	.1	.0								.6	2.6
S	.5	.3	.1	.0							.9	3.3
SSW	.9	1.0	.3	.1	.0						2.3	4.6
SW	1.4	2.6	1.9	.6	.1	.0					6.5	6.3
WSW	2.3	4.2	3.4	1.9	.1	.1					12.0	7.0
W	2.7	3.1	2.9	1.3	.1	.0					10.2	6.4
WNW	.9	1.2	.5	.2	.0	.0					2.8	5.2
NW	.5	.7	.3	.1							1.6	5.0
NNW	.6	.7	.2	.0	.0						1.6	4.6
VARIABLE	.0	6.9	3.6	.4	.0	.0					11.0	10.3
CALM	/	/	/	/	/	/	/	/	/	/	25.8	/
TOTALS	22.4	23.1	19.3	8.5	.7	.1	.0				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 24721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	.5	.1								1.8	3.2
NNE	2.4	1.0	.2	.0							3.6	3.0
NE	2.6	1.2	.3	.1							4.2	3.3
ENE	3.5	1.7	.9	.1							6.2	3.8
E	5.0	2.7	.1								7.8	3.0
ESE	2.1	.3	.2								2.6	2.7
SE	1.2	.2									1.4	2.3
SSE	.5	.0									.5	1.9
S	.4	.1									.5	2.5
SSW	.5	.2	.1								.8	3.0
SW	.8	.7	.5	.1	.1						2.1	5.8
WSW	1.5	1.7	1.2	.5							4.9	5.8
W	1.7	.7	.5	.1							3.0	4.1
WNW	.6	.2	.0	.0							.8	3.4
NW	.5	.2	.0								.6	3.2
NNW	.2	.2	.0	.0							.5	4.0
VARIABLE		.0	1.6	1.0	.3	.3					2.9	11.1
CALM	/	/	/	/	/	/	/	/	/	/	55.5	/
TOTALS		24.7	11.7	5.7	2.0	.4	.0				100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 3317

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
		RR RR	TT	DDDDDDDD

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER. HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	SE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.2	12.4	15.9	16.7	16.7	18.3	19.1	19.1	19.9	19.9	20.4	20.7	20.7	21.0	21.0	21.0
GE 20000	11.6	14.5	18.3	19.4	19.4	21.0	22.0	22.0	22.8	22.8	23.4	23.7	23.7	23.9	23.9	23.9
GE 18000	11.8	14.8	18.5	19.5	19.5	21.2	22.8	22.8	23.7	23.7	24.2	24.5	24.5	24.7	24.7	24.7
GE 16000	11.8	14.8	18.5	19.6	19.6	21.2	22.8	22.8	23.7	23.7	24.2	24.5	24.5	24.7	24.7	24.7
GE 14000	11.8	14.8	18.5	19.6	19.6	21.2	22.8	22.8	23.7	23.7	24.2	24.5	24.5	24.7	24.7	24.7
GE 12000	11.8	14.8	18.5	19.6	19.6	21.5	23.1	23.1	23.9	23.9	24.5	24.7	24.7	25.0	25.0	25.0
GE 10000	11.8	14.8	18.5	19.6	19.6	21.5	23.1	23.1	24.5	24.7	25.3	25.8	25.8	26.1	26.1	26.1
GE 9000	12.1	15.1	17.4	20.4	20.4	22.3	23.9	23.9	25.3	25.5	26.1	26.6	26.6	26.9	26.9	26.9
GE 8000	14.8	18.3	24.5	27.4	27.4	29.6	31.5	31.5	32.8	33.1	33.6	34.1	34.1	34.4	34.4	34.4
GE 7000	15.1	18.5	25.5	28.8	28.8	30.9	33.1	33.1	34.4	34.7	35.2	35.8	35.8	36.0	36.0	36.0
GE 6000	15.3	18.8	25.8	29.0	29.0	31.2	33.3	33.3	34.7	34.9	35.5	36.0	36.0	36.3	36.3	36.3
GE 5000	15.3	18.8	25.8	29.0	29.0	31.2	33.3	33.3	34.7	34.9	35.5	36.0	36.0	36.3	36.3	36.3
GE 4500	16.1	19.6	25.6	30.1	30.1	32.3	34.4	34.4	35.8	36.0	36.6	37.1	37.1	37.4	37.4	37.4
GE 4000	16.7	20.7	27.7	31.5	31.5	33.9	36.0	36.0	38.2	38.4	39.2	40.1	40.1	40.3	40.3	40.3
GE 3500	19.9	24.2	32.3	36.0	36.0	38.7	41.1	41.1	43.3	43.5	44.4	45.2	45.2	45.4	45.4	45.4
GE 3000	25.8	31.5	41.7	46.2	46.2	49.2	51.6	51.9	54.3	54.6	55.4	56.2	56.2	56.5	56.5	56.5
GE 2500	27.7	34.7	48.1	55.4	55.4	61.3	63.7	64.0	66.4	66.7	67.5	68.3	68.3	68.5	68.5	68.5
GE 2000	29.8	37.1	53.8	63.2	63.2	72.5	76.1	76.3	79.8	80.4	81.2	82.3	82.3	82.5	82.5	82.5
GE 1600	29.8	37.1	53.8	63.2	63.2	72.8	76.1	76.3	79.8	80.4	81.2	82.3	82.3	82.5	82.5	82.5
GE 1500	20.9	38.2	56.5	67.5	68.0	78.8	82.5	82.8	85.3	86.8	87.6	88.7	88.7	89.0	89.0	89.0
GE 1000	31.5	39.0	57.5	69.1	69.6	81.2	85.2	85.8	89.2	89.8	90.6	91.7	91.7	91.9	91.9	91.9
GE 1000	31.5	39.0	57.5	69.6	70.4	83.1	86.8	87.4	90.4	91.7	92.2	93.0	94.1	94.1	94.4	94.4
GE 900	31.5	39.0	57.5	69.6	70.4	83.1	87.4	87.9	92.5	93.0	93.8	94.9	94.9	95.2	95.2	95.2
GE 800	31.5	39.0	57.5	69.6	70.4	83.1	87.6	88.4	93.0	93.5	94.4	95.4	95.4	95.7	95.7	95.7
GE 700	31.5	39.0	57.5	69.6	70.4	83.1	87.6	88.4	93.0	94.6	95.7	97.3	97.3	97.6	97.6	97.6
GE 600	31.5	39.0	57.5	69.6	70.4	83.1	87.6	88.4	93.8	94.6	95.7	97.3	97.3	97.8	98.1	98.9
GE 500	31.5	39.0	57.5	69.6	70.4	83.1	87.6	88.4	93.8	94.6	95.7	97.3	97.3	98.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 372

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	10.4	10.4	13.0	14.1	14.1	15.2	16.3	16.3	16.8	16.8	17.3	17.5	17.7	17.9	17.9	17.9
GE 20000	12.7	13.4	16.3	17.7	17.7	19.3	20.9	20.9	21.4	21.4	22.0	22.1	22.3	22.7	22.7	22.7
GE 18000	12.7	13.4	15.3	17.7	17.7	19.3	20.9	20.9	21.4	21.4	22.0	22.1	22.3	22.7	22.7	22.7
GE 16000	12.7	13.4	16.3	17.7	17.7	19.3	20.9	20.9	21.4	21.4	22.0	22.1	22.3	22.7	22.7	22.7
GE 14000	12.9	13.6	16.4	17.9	17.9	19.5	21.1	21.1	21.6	21.6	22.1	22.3	22.5	22.9	22.9	22.9
GE 12000	13.2	13.9	17.0	18.8	18.8	20.5	22.1	22.1	22.7	22.7	23.2	23.4	23.6	23.9	23.9	23.9
GE 10000	14.6	15.4	18.9	20.5	20.5	22.3	23.9	23.9	24.6	24.6	25.2	25.9	26.3	26.6	26.6	26.6
GE 9000	15.5	16.3	20.2	22.1	22.1	23.9	25.5	25.5	26.3	26.3	26.8	27.5	27.9	28.2	28.2	28.2
GE 8000	17.9	19.3	23.8	26.4	26.6	28.8	30.4	30.4	31.1	31.1	31.6	32.3	32.7	33.0	33.0	33.0
GE 7000	18.9	20.9	25.4	28.8	28.9	31.1	32.7	32.7	33.4	33.4	33.9	34.6	35.0	35.4	35.4	35.4
GE 6000	18.9	20.9	25.4	28.8	28.9	31.1	32.7	32.7	33.4	33.4	33.9	34.6	35.0	35.4	35.4	35.4
GE 5000	19.5	21.4	26.1	29.6	29.6	32.1	33.8	33.8	34.5	34.5	35.0	35.7	36.1	36.4	36.4	36.4
GE 4500	20.4	22.3	27.1	30.7	30.9	33.2	34.8	34.8	35.5	35.5	36.1	36.8	37.1	37.5	37.5	37.5
GE 4000	22.3	25.4	30.5	34.1	34.3	37.0	38.8	38.8	39.8	39.8	40.4	41.1	41.4	41.8	41.8	41.8
GE 3500	27.1	30.4	36.3	39.8	40.0	42.7	44.5	44.6	45.5	45.5	46.1	46.8	47.3	47.7	47.7	47.7
GE 3000	33.0	37.0	46.3	52.0	52.0	54.1	57.0	57.1	58.4	58.6	59.3	60.0	60.5	60.9	60.9	60.9
GE 2500	37.1	42.1	52.9	59.8	60.2	64.5	67.1	67.3	68.8	68.9	69.6	70.4	70.9	71.3	71.3	71.3
GE 2000	40.9	46.3	58.2	66.3	67.1	73.0	75.9	76.8	78.6	78.8	79.5	80.2	80.9	81.3	81.3	81.3
GE 1800	41.6	47.0	58.9	67.0	67.9	73.9	77.3	78.2	80.0	80.2	80.9	81.6	82.3	82.7	82.7	82.7
GE 1500	42.1	47.5	60.3	68.6	69.6	76.3	80.4	81.3	83.6	84.3	85.0	85.7	86.8	87.1	87.3	87.3
GE 1200	43.6	49.1	61.8	70.4	71.4	78.4	83.4	84.3	87.0	87.7	88.4	89.1	90.2	90.5	90.7	90.7
GE 1000	43.6	49.1	61.8	70.7	71.8	78.9	84.3	85.2	88.4	89.1	89.8	90.7	92.3	92.7	92.9	92.9
GE 900	43.6	49.1	61.8	70.9	72.0	79.1	84.5	85.4	88.6	89.5	90.2	91.3	92.9	93.2	93.4	93.4
GE 800	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.5	89.1	90.4	91.3	92.5	94.1	94.5	94.6	94.6
GE 700	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.5	90.7	91.6	93.0	94.6	95.0	95.2	95.2
GE 600	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	90.9	92.0	93.9	95.5	95.9	96.1	96.1
GE 500	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.1	92.1	94.1	95.7	96.1	96.3	96.3
GE 400	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	96.6	97.0	97.5	97.5
GE 300	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	98.0	98.0
GE 200	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	98.0	98.0
GE 100	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	100.0	100.0
GE 0	43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.1	10.5	13.0	14.7	14.9	15.6	16.7	16.7	18.3	18.5	18.7	18.7	18.7	18.7	18.7
GE 20000	15.6	16.8	20.5	22.8	23.0	24.3	25.9	25.9	27.7	27.9	28.1	28.1	28.1	28.1	28.1
GE 18000	15.6	16.8	20.5	22.8	23.0	24.3	25.9	25.9	27.7	27.9	28.1	28.1	28.1	28.1	28.1
GE 16000	15.6	16.8	20.5	22.8	23.0	24.3	25.9	25.9	27.7	27.9	28.1	28.1	28.1	28.1	28.1
GE 14000	15.8	17.0	20.7	23.0	23.2	24.5	26.1	26.1	27.9	28.1	28.3	28.3	28.3	28.3	28.3
GE 12000	16.8	18.5	22.1	24.6	24.6	26.3	27.9	27.9	29.7	29.9	30.1	30.1	30.1	30.1	30.1
GE 10000	17.8	19.4	23.4	25.9	26.1	27.5	29.2	29.2	31.0	31.2	31.3	31.3	31.7	31.7	31.7
GE 9000	18.7	20.3	24.8	27.4	27.5	29.0	30.6	30.6	32.4	32.6	32.8	32.8	33.2	33.2	33.2
GE 8000	22.8	25.0	29.9	33.2	33.3	34.6	36.4	36.4	38.2	38.6	38.8	39.8	39.1	39.1	39.1
GE 7000	25.0	27.7	32.5	36.8	37.0	38.4	40.0	40.0	41.8	42.2	42.4	42.4	42.8	42.8	42.8
GE 6000	25.4	28.1	33.0	37.1	37.3	38.8	40.4	40.4	42.2	42.6	42.8	42.8	43.1	43.1	43.1
GE 5000	26.6	29.7	34.5	38.9	39.1	40.6	42.2	42.2	44.0	44.4	44.6	44.6	44.9	44.9	44.9
GE 4500	27.0	30.3	35.1	39.9	41.0	41.7	43.3	43.3	45.1	45.5	45.7	45.7	46.0	46.0	46.0
GE 4000	29.9	33.5	38.5	43.5	43.7	45.8	47.8	47.8	49.6	50.0	50.2	50.2	50.5	50.5	50.5
GE 3500	34.8	38.4	44.0	48.9	49.1	51.3	53.3	53.3	55.1	55.4	55.6	55.6	56.0	56.0	56.0
GE 3000	45.3	49.1	57.8	62.9	63.4	66.5	69.0	69.0	70.8	71.2	71.4	71.4	71.7	71.7	71.7
GE 2500	48.4	53.1	62.9	69.6	70.3	73.9	77.0	77.2	79.3	79.7	79.9	79.9	80.3	80.3	80.3
GE 2000	50.5	55.3	65.9	72.8	73.6	78.2	81.5	81.9	84.6	85.0	85.1	85.1	85.5	85.5	85.5
GE 1800	50.9	55.6	66.3	73.2	73.9	79.2	82.6	83.0	86.2	86.6	86.8	86.8	87.1	87.1	87.1
GE 1500	51.3	56.2	67.2	74.8	75.9	81.3	85.1	86.2	89.5	90.2	90.4	90.4	91.3	91.3	91.3
GE 1200	52.0	56.9	67.9	75.9	77.2	82.6	86.4	87.5	91.1	91.8	92.0	92.4	92.9	92.9	92.9
GE 1000	52.4	57.2	68.5	76.8	76.1	83.5	87.5	88.6	92.8	93.5	93.7	94.0	95.3	95.3	95.3
GE 900	52.4	57.2	68.8	77.2	76.4	83.9	87.9	88.9	93.1	93.8	94.0	94.4	95.7	95.7	95.7
GE 800	52.4	57.2	68.8	77.4	76.6	84.1	86.0	89.1	93.7	94.6	94.7	95.1	96.6	96.6	96.6
GE 700	52.4	57.2	68.8	77.4	78.6	84.1	88.0	89.1	94.4	95.3	95.5	95.8	97.3	97.3	97.3
GE 600	52.4	57.2	68.9	77.4	78.5	84.1	88.0	89.1	94.6	95.5	95.7	96.0	97.8	97.8	97.8
GE 500	52.4	57.2	68.8	77.4	78.6	84.2	88.4	89.5	95.1	96.2	96.4	96.7	98.6	98.6	98.6
GE 400	52.4	57.2	68.8	77.4	78.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.3	99.3	99.3
GE 300	52.4	57.2	68.8	77.4	78.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	99.6
GE 200	52.4	57.2	68.8	77.4	78.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	99.6
GE 100	52.4	57.2	68.8	77.4	78.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	100.0
GE 0	52.4	57.2	68.8	77.4	78.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN

HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.2	13.8	17.3	18.4	18.4	20.7	22.0	22.3	23.1	23.1	23.3	23.3	23.8	23.8	23.8	23.8
GE 20000	17.9	19.2	24.0	25.9	25.9	28.7	30.4	30.7	31.5	31.5	31.7	31.7	32.2	32.2	32.2	32.2
GE 18000	18.1	19.4	24.2	26.1	26.1	28.9	30.5	30.9	31.7	31.7	31.8	31.8	32.4	32.4	32.4	32.4
GE 16000	18.1	19.4	24.2	26.1	26.1	28.9	30.5	30.9	31.7	31.7	31.8	31.8	32.4	32.4	32.4	32.4
GE 14000	18.2	19.6	24.4	26.3	26.3	29.1	30.7	31.1	31.8	31.8	32.0	32.0	32.6	32.6	32.6	32.6
GE 12000	19.6	21.4	25.4	28.3	28.3	31.1	32.8	33.1	33.9	33.9	34.1	34.1	34.6	34.6	34.6	34.6
GE 10000	20.9	22.7	28.1	30.0	30.0	32.8	34.5	34.8	35.6	35.6	35.8	35.8	36.3	36.3	36.3	36.3
GE 9000	21.6	23.5	29.4	31.3	31.3	34.1	35.8	36.1	36.9	36.9	37.1	37.1	37.6	37.6	37.6	37.6
GE 8000	25.5	27.6	34.3	36.1	36.7	39.5	41.7	42.1	42.8	42.8	43.0	43.0	43.6	43.6	43.6	43.6
GE 7000	27.6	30.4	37.4	39.7	41.2	43.0	45.3	45.6	46.4	46.4	46.6	46.6	47.1	47.1	47.1	47.1
GE 6000	27.7	30.5	37.5	39.9	42.4	43.2	45.4	45.8	46.6	46.6	46.7	46.7	47.3	47.3	47.3	47.3
GE 5000	29.2	32.2	39.5	41.7	42.3	45.1	47.3	47.7	48.4	48.4	48.6	48.6	49.2	49.2	49.2	49.2
GE 4500	29.6	32.6	39.9	42.1	42.6	45.4	47.7	48.0	48.8	48.8	49.0	49.0	49.5	49.5	49.5	49.5
GE 4000	32.6	35.6	43.4	46.0	46.7	50.3	52.7	53.1	53.8	54.0	54.2	54.4	54.9	54.9	54.9	54.9
GE 3500	36.3	39.7	48.4	51.2	52.0	55.5	58.1	58.5	59.2	59.4	59.6	59.8	60.3	60.3	60.3	60.3
GE 3000	46.7	51.2	61.3	65.2	66.3	71.1	73.9	74.5	75.2	75.6	75.8	76.4	76.4	76.4	76.4	76.4
GE 2500	51.0	55.7	67.8	72.3	73.4	78.6	81.6	82.1	83.2	83.4	83.6	83.8	84.4	84.4	84.4	84.4
GE 2000	52.7	57.4	69.5	74.1	75.2	82.3	85.7	86.4	88.1	88.3	88.5	89.6	89.2	89.2	89.2	89.2
GE 1800	53.1	57.9	73.0	75.2	76.4	83.6	87.0	87.7	89.4	89.6	89.8	89.9	90.5	90.5	90.5	90.5
GE 1500	54.4	59.4	71.5	77.1	78.2	85.8	89.2	90.1	91.8	92.0	92.2	92.4	93.1	93.1	93.1	93.1
GE 1200	55.5	60.5	72.8	78.6	79.7	87.3	90.7	91.6	93.9	94.2	94.6	94.6	95.3	95.3	95.3	95.3
GE 1000	55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.0	94.6	95.0	95.3	95.7	96.5	96.5	96.5	96.5
GE 900	55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.0	94.8	95.2	95.5	95.9	96.6	96.6	96.6	96.6
GE 800	55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.2	95.0	95.7	96.1	96.5	97.4	97.4	97.4	97.4
GE 700	55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.4	95.5	96.5	97.0	97.4	98.3	98.3	98.3	98.3
GE 600	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.3	99.3	99.3	99.3
GE 500	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8	99.8
GE 400	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8	99.8
GE 300	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8	99.8
GE 200	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8	99.8
GE 100	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8	99.8
GE 0	55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 537

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																	
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0		
NO CEIL	11.0	11.7	14.7	15.9	15.9	17.4	18.4	18.5	19.4	19.5	19.8	19.9	20.1	20.2	20.2			
GE 20000	14.6	16.1	19.8	21.6	21.6	23.5	25.0	25.1	26.1	26.5	26.6	26.8	26.9	26.9	26.9	26.9	26.9	
GE 18000	14.7	16.2	19.9	21.7	21.7	23.6	25.2	25.3	26.3	26.7	26.8	27.0	27.1	27.1	27.1	27.1	27.1	
GE 16000	14.7	16.2	19.9	21.7	21.7	23.6	25.2	25.3	26.3	26.7	26.8	27.0	27.1	27.1	27.1	27.1	27.1	
GE 14000	14.9	16.3	20.1	21.8	21.9	23.7	25.3	25.4	26.4	26.5	26.8	26.9	27.1	27.3	27.3	27.3	27.3	
GE 12000	15.6	17.3	21.2	23.1	23.1	25.1	26.7	26.8	27.8	27.9	28.2	28.3	28.5	28.6	28.6	28.6	28.6	
GE 10000	16.6	18.3	22.5	24.3	24.4	26.4	28.0	28.1	29.3	29.7	30.0	30.3	30.5	30.5	30.5	30.5	30.5	
GE 9000	17.4	19.0	23.3	25.7	25.7	27.7	29.3	29.4	30.6	30.7	31.0	31.3	31.7	31.8	31.8	31.8	31.8	
GE 8000	20.7	22.9	28.4	31.0	31.3	33.4	35.2	35.3	36.5	36.6	37.0	37.3	37.6	37.8	37.8	37.8	37.8	
GE 7000	22.2	24.8	30.5	33.8	34.1	36.2	38.1	38.2	39.3	39.5	39.8	40.1	40.5	40.6	40.6	40.6	40.6	
GE 6000	22.4	25.0	30.8	34.0	34.3	36.4	38.3	38.4	39.5	39.7	40.0	40.3	40.7	40.8	40.8	40.8	40.8	
GE 5000	23.3	26.1	31.9	35.3	35.5	37.7	39.6	39.7	40.8	41.0	41.3	41.6	42.0	42.1	42.1	42.1	42.1	
GE 4500	23.8	26.7	32.6	36.1	36.4	38.6	40.5	40.6	41.7	41.9	42.2	42.5	42.9	43.0	43.0	43.0	43.0	
GE 4000	26.1	29.4	35.6	39.3	39.6	42.4	44.4	44.6	45.9	46.1	46.5	46.9	47.3	47.4	47.4	47.4	47.4	
GE 3500	30.3	33.9	40.9	44.6	44.9	47.7	49.9	50.0	51.4	51.6	52.0	52.4	52.7	52.9	52.9	52.9	52.9	
GE 3000	38.7	43.0	52.7	57.4	57.9	61.3	63.8	64.0	65.5	65.8	66.2	66.6	67.0	67.1	67.1	67.1	67.1	
GE 2500	42.2	47.4	58.7	65.0	65.6	70.2	73.0	73.3	75.1	75.3	75.8	76.2	76.5	76.7	76.7	76.7	76.7	
GE 2000	44.6	50.0	62.5	69.6	70.3	76.9	80.1	80.7	83.0	83.3	83.7	84.2	84.6	84.8	84.8	84.8	84.8	
GE 1800	45.0	50.4	62.9	70.2	70.9	77.7	81.1	81.7	84.2	84.5	84.9	85.4	85.8	85.9	85.9	85.9	85.9	
GE 1500	45.8	51.3	64.4	72.3	73.3	80.7	84.4	85.3	87.9	88.4	88.9	89.4	90.1	90.2	90.3	90.3	90.3	
GE 1200	46.6	52.4	65.6	73.8	74.9	82.4	86.5	87.4	90.4	90.9	91.4	91.9	92.6	92.7	92.8	92.8	92.8	
GE 1000	47.0	52.5	65.8	74.4	75.5	83.2	87.4	88.3	91.8	92.4	92.9	93.6	94.6	94.7	94.8	94.8	94.8	
GE 900	47.0	52.5	65.9	74.5	75.6	83.3	87.6	88.5	92.0	92.7	93.2	93.9	94.9	95.0	95.1	95.1	95.1	
GE 800	47.0	52.5	65.9	74.6	75.7	83.5	87.8	88.7	92.5	93.4	94.0	94.7	95.8	95.9	96.0	96.0	96.0	
GE 700	47.0	52.5	65.9	74.6	75.7	83.5	87.8	88.9	93.1	94.0	94.6	95.4	96.5	96.6	96.7	96.7	96.7	
GE 600	47.0	52.6	66.0	74.7	75.8	83.6	88.0	89.1	93.5	94.5	95.2	96.1	97.3	97.4	97.5	97.5	97.5	
GE 500	47.0	52.6	66.0	74.7	75.9	83.7	88.1	89.2	93.6	94.7	95.4	96.3	97.7	97.8	97.9			
GE 400	47.0	52.6	66.0	74.7	75.6	83.7	88.1	89.2	93.6	94.8	95.4	96.5	98.1	98.3	98.4			
GE 300	47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.5	98.7	98.9			
GE 200	47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.6	98.8	99.3			
GE 100	47.0	52.6	66.0	74.7	75.9	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.5	98.8	100.0			
GE 0	47.0	52.6	66.0	74.7	75.6	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.6	98.8	100.0			

TOTAL NUMBER OF OBSERVATIONS: 2021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.0	11.8	18.7	23.9	25.3	26.9	28.3	28.3	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.2
GE 20000	8.0	11.8	18.7	23.9	25.0	26.9	28.3	28.3	30.5	30.5	30.5	30.5	30.5	30.8	30.8	31.0
GE 18000	8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.0	31.3	31.3	31.6
GE 16000	8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.0	31.3	31.3	31.6
GE 14000	8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.0	31.3	31.3	31.6
GE 12000	8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.0	31.3	31.3	31.6
GE 10000	8.5	12.4	19.2	24.5	25.5	27.7	29.4	29.4	31.9	31.9	31.9	31.9	31.9	32.1	32.1	32.7
GE 9000	8.5	12.4	19.5	25.0	26.1	28.6	30.2	30.2	32.7	33.0	33.0	33.0	33.0	33.2	33.2	33.8
GE 8000	9.9	14.0	22.0	28.3	29.4	33.0	34.6	34.6	37.9	38.2	38.5	38.5	39.0	39.0	39.6	
GE 7000	10.2	14.3	22.5	29.1	30.2	33.8	35.4	35.7	39.3	39.6	39.8	39.8	40.4	40.4	41.2	
GE 6000	10.2	14.3	22.5	29.1	30.2	33.8	35.4	35.7	39.3	39.6	39.8	39.8	40.4	40.4	41.2	
GE 5000	10.4	14.6	22.8	29.4	30.5	34.3	36.0	36.3	39.8	40.1	40.4	40.4	40.9	40.9	41.8	
GE 4500	10.4	14.6	23.1	30.2	31.5	35.4	37.4	37.6	41.2	41.5	41.8	41.8	42.3	42.3	43.1	
GE 4000	11.3	15.4	24.7	33.0	34.6	38.5	40.7	40.9	45.1	45.3	45.6	45.6	46.2	46.2	47.0	
GE 3500	12.9	18.7	29.4	38.7	40.7	44.8	47.3	47.5	51.9	52.2	52.5	52.5	53.0	53.0	53.8	
GE 3000	15.7	23.1	36.3	48.4	50.5	55.8	58.5	59.1	64.3	64.8	65.1	65.1	65.7	65.7	66.5	
GE 2500	16.8	24.2	39.0	52.7	55.8	63.2	65.9	66.5	71.7	72.3	72.5	72.5	73.1	73.1	73.9	
GE 2000	18.4	26.1	45.6	61.3	64.6	73.4	77.5	78.3	83.8	84.3	84.6	84.6	85.2	85.2	86.0	
GE 1800	19.0	26.6	46.2	61.8	65.1	74.2	78.6	79.4	84.9	85.4	85.7	85.7	86.5	86.5	87.4	
GE 1600	20.1	27.7	47.9	64.0	67.6	77.5	82.1	83.0	89.0	89.8	90.1	90.4	91.2	91.2	92.0	
GE 1200	20.1	27.7	47.9	64.6	68.1	78.6	83.5	84.3	90.7	91.8	92.0	92.3	93.1	93.1	94.0	
GE 1000	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	92.9	93.7	94.5	94.5	95.3	
GE 900	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	92.9	93.7	94.5	94.5	95.3	
GE 800	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	95.9	
GE 700	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	95.9	
GE 600	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	95.9	
GE 500	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	96.2	
GE 400	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	96.4	
GE 300	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.6	95.6	97.3	
GE 200	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.9	95.9	98.6	
GE 100	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.9	95.9	99.7	
GE CI	20.1	27.7	47.9	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.9	95.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	7.4	11.0	19.2	24.3	25.4	27.1	28.4	28.5	30.0	30.2	30.2	30.4	30.4	30.4	30.4	30.4
GE 20000	8.8	12.5	21.0	26.2	27.3	29.5	30.8	31.5	33.3	33.7	33.7	33.9	33.9	33.9	33.9	33.9
GE 18000	9.4	13.1	21.5	26.7	27.6	30.0	31.3	32.0	33.9	34.3	34.3	34.4	34.4	34.4	34.4	34.4
GE 16000	9.4	13.1	21.5	26.7	27.8	30.0	31.3	32.0	33.9	34.3	34.3	34.4	34.4	34.4	34.4	34.4
GE 14000	9.4	13.1	21.5	26.7	27.8	30.0	31.3	32.0	33.9	34.3	34.3	34.4	34.4	34.4	34.4	34.4
GE 12000	9.6	13.3	21.7	26.9	26.0	30.2	31.5	32.4	34.3	34.6	34.6	34.8	34.8	34.8	34.8	34.8
GE 10000	9.9	13.6	22.1	27.3	28.4	30.6	31.9	33.0	35.4	35.7	35.7	35.9	35.9	35.9	35.9	36.3
GE 9000	10.5	14.2	22.7	27.8	28.9	31.1	32.6	33.7	36.1	36.5	36.5	36.6	36.6	36.6	36.6	37.0
GE 8000	11.8	15.5	24.1	30.8	32.0	34.8	36.3	37.8	40.1	40.7	40.7	40.9	40.9	40.9	40.9	41.3
GE 7000	12.7	16.4	26.3	33.7	35.0	37.9	39.4	41.1	43.5	44.0	44.2	44.6	44.6	44.6	44.6	45.3
GE 6000	12.7	16.4	26.3	33.7	35.0	37.9	39.4	41.1	43.5	44.0	44.2	44.6	44.6	44.6	44.6	45.3
GE 5000	12.7	16.4	26.3	33.9	35.2	38.1	39.6	41.3	43.8	44.4	44.6	44.9	45.3	45.3	45.3	45.7
GE 4500	12.9	16.8	27.3	34.8	36.1	39.2	40.7	42.4	44.9	45.5	45.7	46.0	46.4	46.4	46.4	46.8
GE 4000	14.9	19.2	30.4	39.6	41.1	44.6	46.0	47.7	50.6	51.2	51.4	51.7	52.1	52.1	52.1	52.5
GE 3500	16.8	22.5	34.5	44.8	46.4	50.1	51.6	53.2	56.4	56.9	57.1	57.5	57.8	57.8	57.8	56.2
GE 3000	20.1	26.7	41.1	52.7	54.3	58.9	60.8	62.4	66.1	66.7	67.0	67.4	67.8	67.8	67.8	68.1
GE 2500	21.2	28.2	44.0	56.7	58.6	64.6	66.7	68.3	72.0	72.6	72.9	73.3	73.7	73.7	73.7	74.0
GE 2000	23.8	31.9	49.7	63.4	65.2	72.7	75.5	77.2	81.4	82.3	82.7	83.1	83.4	83.4	83.4	83.8
GE 1800	24.3	32.4	50.3	63.9	65.7	73.3	76.2	77.9	82.1	83.1	83.4	83.8	84.3	84.3	84.3	84.7
GE 1500	24.9	33.1	51.4	65.4	67.2	75.1	78.8	80.8	85.4	87.7	88.0	88.6	89.3	89.3	89.3	89.7
GE 1200	25.0	33.3	51.5	65.9	67.8	75.9	79.7	82.0	88.0	89.5	89.9	90.4	91.2	91.2	91.2	91.5
GE 1000	25.0	33.3	51.5	65.9	67.8	75.9	80.3	82.5	88.6	90.2	91.0	91.7	92.4	92.4	92.4	92.6
GE 900	25.0	33.3	51.6	65.9	67.8	76.1	80.5	82.7	89.1	90.8	91.5	92.3	93.0	93.0	93.0	93.4
GE 800	25.0	33.3	51.5	66.3	68.1	76.6	81.0	83.2	89.7	91.5	92.6	93.9	94.7	94.7	94.7	95.0
GE 700	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	89.9	92.1	93.2	94.5	95.2	95.2	95.2	95.6
GE 600	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	89.9	92.1	93.2	94.5	95.4	95.4	95.4	95.8
GE 500	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.7	95.0	96.1	96.1	96.1	96.9
GE 400	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.7	95.2	96.9	96.9	96.9	97.6
GE 300	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.2	97.2	97.2	98.2
GE 200	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.4	97.4	97.4	99.8
GE 100	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.4	97.4	97.4	100.0
GE 01	25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.4	97.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 543

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CЕIL	12.6	15.3	22.2	29.4	29.9	31.4	33.3	34.0	34.9	34.9	34.9	34.9	35.1	35.1	35.1	35.1
GE 20000	13.9	16.8	23.8	31.6	32.3	34.0	36.0	37.0	38.1	38.1	38.1	38.3	38.4	38.6	38.6	38.6
GE 18000	13.9	16.8	23.8	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8	38.8
GE 16000	13.9	16.8	23.8	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8	38.8
GE 14000	13.9	16.8	23.8	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8	38.8
GE 12000	13.9	16.8	23.8	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8	38.8
GE 10000	14.4	17.7	24.3	32.5	33.5	35.1	37.3	38.4	39.6	39.6	39.6	39.7	40.1	40.3	40.3	40.3
GE 9000	15.2	18.5	25.5	33.3	34.2	35.9	38.6	39.7	40.9	40.9	40.9	41.0	41.4	41.6	41.6	41.6
GE 8000	18.1	21.6	30.1	39.0	39.9	41.6	44.4	45.5	46.6	46.6	46.6	46.8	47.1	47.3	47.3	47.3
GE 7000	20.0	23.5	32.5	42.1	43.1	44.7	47.7	48.8	50.3	50.3	50.3	50.5	51.0	51.2	51.2	51.2
GE 6000	20.0	23.5	32.5	42.1	43.1	44.7	47.7	48.8	50.3	50.3	50.3	50.5	51.0	51.2	51.2	51.2
GE 5000	20.5	24.0	33.5	43.1	44.0	45.7	48.6	49.7	51.2	51.2	51.2	51.4	51.9	52.1	52.1	52.1
GE 4500	20.5	24.0	33.5	43.3	44.2	45.8	48.8	49.9	51.4	51.4	51.4	51.6	52.1	52.3	52.3	52.3
GE 4000	23.1	27.0	37.2	48.1	49.3	50.6	53.6	54.7	56.4	56.4	56.4	56.6	57.5	57.7	57.7	57.7
GE 3500	26.2	31.2	42.5	54.0	54.9	56.6	59.5	60.8	62.5	62.5	62.5	62.7	63.6	63.8	63.8	63.8
GE 3000	31.6	37.9	50.5	62.5	63.6	66.9	70.1	71.3	73.2	73.4	73.8	73.9	74.9	75.0	75.0	75.0
GE 2500	32.9	39.4	53.4	66.9	68.0	71.5	74.7	76.0	77.8	78.0	78.4	78.6	79.5	79.7	79.7	79.7
GE 2000	36.6	43.3	58.2	73.2	74.3	78.4	82.3	83.7	86.0	86.3	86.7	85.9	88.0	88.2	88.2	88.2
GE 1800	36.8	43.4	58.6	73.6	74.7	78.7	82.8	84.3	86.7	87.1	87.4	87.6	88.7	88.9	88.9	88.9
GE 1500	37.5	44.2	59.7	75.6	76.7	80.8	85.8	87.6	90.8	91.1	91.5	91.7	92.8	93.0	93.0	93.0
GE 1200	37.9	44.5	60.3	76.5	77.6	81.9	86.9	88.7	92.4	92.8	93.2	93.3	94.6	94.8	94.8	94.8
GE 1000	37.9	44.5	60.3	76.5	77.6	81.9	87.2	89.1	92.8	93.2	93.5	93.7	95.0	95.2	95.2	95.2
GE 900	37.9	44.5	60.3	76.5	77.6	81.9	87.2	89.1	92.8	93.2	93.5	93.7	95.0	95.2	95.2	95.2
GE 800	37.9	44.5	60.3	77.1	76.2	83.0	88.7	90.6	94.3	94.6	95.0	95.2	96.5	96.7	96.7	96.7
GE 700	37.9	44.5	60.3	77.1	78.4	82.2	88.9	90.8	94.5	94.8	95.2	95.4	96.7	96.9	96.9	96.9
GE 600	37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.8	95.2	95.6	95.7	97.0	97.2	97.2	97.2
GE 500	37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.8	95.6	95.9	96.1	97.6	97.8	98.3	98.3
GE 400	37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.8	95.6	95.9	96.1	98.3	98.5	99.3	99.3
GE 300	37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0	100.0
GE 200	37.9	44.5	60.3	77.1	78.4	83.2	89.1	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0	100.0
GE 100	37.9	44.5	60.3	77.1	78.4	83.2	89.1	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 541

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 79-87

MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 96	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.7	21.2	29.1	33.4	33.4	34.6	36.4	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000	18.9	23.8	32.1	37.9	37.9	39.4	40.9	41.5	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 14000	19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 12000	19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 10000	19.9	25.3	33.8	40.2	40.3	41.8	43.3	43.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 9000	19.9	25.3	33.8	40.2	40.3	42.0	43.5	44.1	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 8000	23.6	29.5	39.8	46.7	47.3	49.2	50.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 7000	25.3	31.1	42.2	50.1	50.7	52.3	54.0	54.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 6000	25.3	31.1	42.2	50.1	50.7	52.3	54.0	54.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 5000	25.9	31.9	43.0	51.0	51.6	53.3	55.0	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4500	26.3	32.8	43.9	52.0	52.6	54.2	55.9	56.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 4000	28.7	36.2	47.8	56.5	57.0	59.7	60.8	61.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 3500	70.2	37.7	50.7	59.7	60.2	61.9	64.0	64.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 3000	35.8	44.1	58.3	68.7	69.4	71.5	74.3	75.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2500	38.1	46.5	62.5	73.9	74.5	76.7	79.9	80.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2000	41.1	49.9	67.2	79.4	79.9	82.9	86.7	87.6	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	41.1	50.3	67.7	80.1	81.1	84.2	88.0	88.9	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1500	41.1	50.3	68.1	81.4	82.4	85.7	91.0	91.0	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	41.1	50.3	68.1	81.4	82.4	85.7	90.4	91.4	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	41.1	50.3	68.1	81.4	82.4	85.7	90.4	91.4	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 900	41.1	50.5	68.5	81.8	82.7	96.1	96.8	97.7	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	41.3	50.7	69.7	82.0	82.9	86.3	91.2	92.1	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	41.3	50.7	69.7	82.0	82.9	86.3	91.2	92.5	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	41.3	50.7	69.7	82.0	82.9	86.3	91.2	92.5	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.5	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	41.3	50.7	68.7	82.0	82.9	86.3	91.2	93.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	41.3	50.7	68.7	82.0	82.9	86.3	91.6	93.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 0	41.3	50.7	68.7	82.0	82.9	86.3	91.6	93.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	11.4	15.1	22.6	28.1	28.7	30.3	31.9	32.3	33.5	33.5	33.5	33.6	33.6	33.6	33.6	33.7
GE 200001	12.8	16.6	24.3	30.4	31.1	32.9	34.5	35.1	36.5	36.6	36.6	36.7	36.9	36.9	37.0	37.0
GE 180001	13.1	16.9	24.5	30.8	31.5	33.4	35.0	35.6	37.1	37.2	37.2	37.3	37.4	37.4	37.5	37.5
GE 160001	13.1	16.9	24.5	31.8	31.6	33.4	35.0	35.6	37.1	37.2	37.2	37.3	37.4	37.4	37.5	37.5
GE 140001	13.1	16.9	24.5	30.8	31.6	33.4	35.0	35.6	37.1	37.2	37.2	37.3	37.4	37.4	37.5	37.5
GE 120001	13.1	17.0	24.7	30.9	31.7	33.5	35.0	35.7	37.2	37.3	37.3	37.4	37.5	37.5	37.5	37.6
GE 100001	13.6	17.7	25.4	31.7	32.5	34.3	36.0	36.7	38.4	38.5	38.5	38.6	38.8	38.8	39.0	39.0
GE 90001	13.9	18.0	25.3	32.1	32.9	34.9	36.7	37.5	39.2	39.3	39.3	39.4	39.6	39.6	39.8	39.8
GE 80001	16.4	20.6	29.5	36.9	37.8	40.1	42.0	42.9	44.7	44.9	44.9	45.0	45.2	45.3	45.5	45.5
GE 70001	17.6	21.9	31.5	39.6	40.5	42.9	44.9	45.8	48.0	48.2	48.3	48.4	48.8	48.8	49.1	49.1
GE 60001	17.6	21.9	31.5	39.6	40.5	42.9	44.9	45.8	48.0	48.2	48.3	48.4	48.8	48.8	49.1	49.1
GE 50001	18.0	22.3	32.1	40.2	41.1	43.6	45.5	46.5	48.7	48.9	49.0	49.1	49.5	49.5	49.8	49.8
GE 45001	18.1	22.7	32.7	40.9	41.9	44.4	46.4	47.3	49.5	49.7	49.8	50.0	50.3	50.4	50.6	50.6
GE 40001	20.2	25.2	35.9	45.2	46.3	48.9	51.1	52.0	54.5	54.7	54.8	54.9	55.4	55.4	55.7	55.7
GE 35001	22.3	28.3	40.1	50.2	51.4	54.1	56.3	57.3	59.8	60.0	60.1	60.3	60.7	60.8	61.0	61.0
GE 30001	26.7	33.8	47.4	58.9	60.2	63.9	66.5	67.6	70.9	71.2	71.4	71.6	72.0	72.1	72.3	72.3
GE 25001	28.1	35.4	50.5	63.4	64.9	69.5	72.3	73.4	76.6	76.9	77.2	77.3	77.8	77.9	78.1	78.1
GE 20001	30.9	38.8	56.0	70.0	71.5	77.1	80.7	82.0	85.6	86.2	86.4	86.6	87.2	87.2	87.5	87.5
GE 18001	31.2	39.2	56.5	70.5	72.2	77.9	81.6	82.9	86.5	87.1	87.4	87.5	88.2	88.3	88.6	88.6
GE 15001	31.8	39.8	57.5	72.2	74.0	80.0	84.4	85.8	90.2	90.9	91.2	91.4	92.2	92.2	92.5	92.5
GE 12001	32.0	39.9	57.7	72.7	74.5	80.7	85.3	86.8	91.6	92.5	92.7	93.0	93.8	93.8	94.1	94.1
GE 10001	32.0	39.9	57.7	72.7	74.5	80.7	85.6	87.1	92.2	93.1	93.5	93.9	94.7	94.8	95.1	95.1
GE 9001	32.0	40.0	57.8	72.8	74.6	80.9	85.8	87.3	92.5	93.4	93.7	94.1	95.0	95.0	95.3	95.3
GE 8001	32.0	40.0	57.8	73.1	74.9	81.4	86.4	87.9	93.1	94.1	94.6	95.2	96.0	96.1	96.4	96.4
GE 7001	32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.4	94.4	95.0	95.6	96.4	96.4	96.7	96.7
GE 6001	32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.5	94.5	95.1	95.7	96.5	96.6	96.9	96.9
GE 5001	32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.6	94.8	95.4	95.9	96.9	96.9	97.5	97.5
GE 4001	32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.7	94.9	95.5	96.1	97.4	97.5	98.2	98.2
GE 3001	32.1	40.1	57.9	73.2	75.0	81.5	86.6	88.2	93.9	95.1	95.8	96.4	97.9	97.9	98.7	98.7
GE 2001	32.1	40.1	57.9	73.2	75.0	81.5	86.7	88.3	94.0	95.2	95.9	96.5	98.1	98.1	99.6	99.6
GE 1001	32.1	40.1	57.9	73.2	75.0	81.5	86.7	88.3	94.0	95.2	95.9	96.5	98.1	98.1	99.9	99.9
GE 01	32.1	40.1	57.9	73.2	75.0	81.5	86.7	88.3	94.0	95.2	95.9	96.5	98.1	98.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1981

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	7.5	9.0	12.9	20.7	21.7	23.6	24.1	24.8	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.8
GE 20000	9.5	11.4	15.3	23.4	24.6	27.3	28.0	28.7	30.2	30.2	30.2	30.2	30.2	30.4	30.4	30.9
GE 18000	9.5	11.4	15.3	23.4	24.6	27.3	28.0	29.0	30.4	30.4	30.4	30.4	30.4	30.7	30.7	31.1
GE 16000	9.5	11.4	15.3	23.4	24.6	27.3	28.0	29.0	30.4	30.4	30.4	30.4	30.4	30.7	30.7	31.1
GE 14000	9.5	11.4	15.3	23.4	24.6	27.3	28.0	29.0	30.4	30.4	30.4	30.4	30.4	30.7	30.7	31.1
GE 12000	9.7	11.7	15.5	23.6	24.8	27.7	28.5	29.4	30.9	30.9	30.9	30.9	31.1	31.1	31.1	31.6
GE 10000	10.5	12.7	16.5	24.6	25.8	29.4	30.2	31.1	32.6	32.6	32.6	32.6	32.6	32.8	32.8	33.3
GE 9000	11.7	13.9	18.2	26.3	27.5	31.1	31.9	32.8	35.0	35.0	35.0	35.0	35.0	35.3	35.3	35.8
GE 8000	12.7	15.1	21.4	30.7	31.9	36.5	37.5	38.4	40.9	40.9	40.9	40.9	40.9	41.1	41.1	41.6
GE 7000	13.6	16.3	22.6	32.9	34.1	38.7	39.9	40.9	43.3	43.3	43.3	43.3	43.3	43.6	43.6	44.0
GE 6000	13.9	17.0	23.4	33.6	34.8	39.4	40.6	41.6	44.0	44.0	44.0	44.0	44.0	44.3	44.3	44.8
GE 5000	15.1	18.2	24.5	35.0	36.3	40.9	42.1	43.3	46.0	46.0	46.0	46.0	46.0	46.2	46.2	46.7
GE 4500	15.3	18.5	25.1	35.9	37.0	41.6	42.8	44.0	46.7	46.7	46.7	46.7	46.7	47.0	47.0	47.4
GE 4000	18.5	22.1	29.4	40.6	41.8	47.4	48.7	49.9	53.0	53.0	53.0	53.0	53.0	53.3	53.3	53.8
GE 3500	20.4	25.1	33.5	45.5	46.7	52.6	53.8	55.0	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.9
GE 3000	26.8	33.6	44.8	59.4	60.6	67.9	69.3	70.6	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.7
GE 2500	29.2	36.7	48.9	65.7	66.9	74.7	76.4	77.9	81.5	81.5	81.5	81.5	81.5	81.8	81.8	82.2
GE 2000	32.4	40.1	54.7	72.3	74.2	82.5	84.4	85.9	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.5
GE 1800	33.1	40.9	55.5	73.0	74.9	83.2	85.2	86.6	91.5	91.5	91.5	91.5	91.5	91.7	91.7	92.2
GE 1500	34.1	41.8	56.7	74.7	76.6	84.9	87.1	89.1	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.9
GE 1200	34.3	42.6	57.4	75.4	77.4	85.6	87.8	89.8	94.9	94.9	95.1	95.1	95.4	95.4	95.4	95.9
GE 1000	34.3	42.6	57.4	75.4	77.4	85.6	87.8	89.8	95.1	95.1	95.1	95.1	95.4	95.4	95.4	96.4
GE 900	34.3	42.6	57.4	75.4	77.4	85.6	87.8	89.8	95.1	95.1	95.1	95.1	95.4	95.4	95.4	96.4
GE 800	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	96.8
GE 700	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	96.8
GE 600	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	96.8
GE 500	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	97.1
GE 400	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	97.6
GE 300	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	97.8
GE 200	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	98.5
GE 100	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	99.5
GE 0	34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.6	96.1	96.1	96.4	96.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GT 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	9.0	9.8	13.9	22.2	23.4	24.3	24.8	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 20000	13.4	14.2	18.5	27.1	28.3	29.4	30.7	31.4	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 18000	13.6	14.4	18.5	27.3	28.4	30.1	31.4	32.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 16000	13.6	14.4	18.6	27.3	28.4	30.1	31.4	32.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 14000	13.7	14.5	19.0	27.6	28.8	30.4	31.7	32.4	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 12000	13.7	14.5	19.0	27.6	28.8	30.6	31.9	32.5	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 10000	15.2	16.0	20.4	29.2	30.4	32.7	34.0	34.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 9000	16.5	17.3	21.9	30.9	32.0	34.6	36.1	36.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 8000	19.6	20.6	26.5	36.3	37.4	40.5	42.2	42.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 7000	20.1	21.2	27.5	38.1	39.2	42.5	44.3	44.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 6000	20.1	21.2	27.5	38.1	39.2	42.5	44.3	44.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 5000	21.9	23.0	29.5	40.4	41.5	44.8	46.6	47.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 4500	22.2	23.4	29.9	40.7	41.8	45.3	47.1	47.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 4000	24.5	26.3	33.9	45.6	46.7	50.2	52.1	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 3500	26.8	28.9	37.4	49.5	51.0	54.6	56.7	57.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 3000	34.5	37.1	48.5	62.7	64.7	69.6	71.7	72.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 2500	37.4	40.4	53.1	68.3	70.3	76.3	79.1	79.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2000	41.7	44.6	59.5	75.5	77.5	83.3	85.9	87.1	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	42.8	45.8	60.9	77.0	78.9	84.6	87.4	88.6	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1500	44.3	47.2	62.7	79.6	81.7	87.6	90.2	91.3	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1200	44.8	47.7	63.2	80.4	82.5	88.4	91.0	92.3	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	45.3	48.2	63.7	80.9	83.0	88.9	91.8	93.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	45.3	48.2	63.7	80.9	83.0	88.9	91.8	93.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	45.3	48.2	63.7	81.0	83.2	89.1	92.0	93.3	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7
GE 300	45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7
GE 200	45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7
GE 100	45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7
GE 0	45.6	48.5	64.1	81.4	83.5	89.4	92.6	94.0	97.2	97.5	98.0	98.2	98.2	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-B7

MONTH: MAR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 96	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.2	10.3	16.8	22.7	22.8	23.2	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 200001	12.4	14.5	21.4	27.2	27.4	27.9	28.5	28.7	29.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 180001	12.9	15.3	21.9	27.7	26.2	28.9	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 160001	12.9	15.0	21.9	27.7	28.2	28.9	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 140001	12.9	15.0	21.9	27.7	26.2	28.9	29.5	29.7	29.7	27.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 120001	14.0	16.2	23.0	28.9	29.4	30.0	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 100001	16.3	19.4	25.4	31.8	32.3	33.0	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 90001	17.6	19.7	26.3	33.1	34.1	34.7	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 80001	21.5	23.7	31.2	38.0	34.0	39.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 70001	23.7	25.8	33.4	40.5	41.4	42.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 60001	23.7	25.8	33.4	40.5	41.4	42.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 50001	24.3	26.6	34.5	41.6	42.6	43.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 45001	25.3	27.6	35.9	42.9	43.9	45.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 40001	27.7	30.5	39.3	47.1	46.1	49.4	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 35001	33.6	36.5	46.3	55.1	56.1	57.4	58.6	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 30001	45.0	48.5	59.2	69.7	70.6	72.1	73.6	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 25001	51.5	55.3	67.2	78.1	79.3	81.1	83.4	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 20001	56.3	50.7	73.2	85.2	86.3	88.1	90.4	91.5	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 18001	56.9	51.3	73.9	85.9	96.9	88.9	91.2	92.3	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 15001	58.2	52.8	75.5	88.1	89.2	91.7	94.5	95.6	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 12001	58.2	52.8	75.5	88.1	89.4	92.0	94.8	95.9	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 10001	58.9	53.5	75.2	88.7	90.0	92.6	96.1	97.4	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 9001	59.1	53.6	76.3	88.9	90.2	93.0	96.2	97.6	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 8001	59.1	53.6	76.3	88.9	90.2	93.0	96.2	97.6	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 7001	59.1	53.6	76.3	88.9	90.2	93.0	96.2	97.6	98.2	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 6001	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 5001	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4001	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3001	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2001	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1001	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 01	59.1	53.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160 9C	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEST	16.0	20.1	24.2	28.3	26.5	28.8	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 20000	21.1	25.4	29.3	34.6	34.9	35.1	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 18000	21.5	25.7	30.2	34.9	35.3	35.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 16000	21.5	25.7	30.2	34.9	35.3	35.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 14000	21.6	25.9	30.3	35.1	35.6	35.8	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 12000	22.3	26.6	31.0	35.8	36.3	36.5	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 10000	24.5	28.8	33.9	38.7	39.2	39.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 9000	25.9	30.2	35.3	40.0	40.5	41.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 8000	30.7	35.3	40.9	46.0	46.5	47.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 7000	32.0	36.6	42.3	47.9	48.9	49.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 6000	32.2	36.8	42.9	48.0	49.1	50.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 5000	33.0	37.6	43.9	49.1	50.1	51.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 4500	33.6	38.2	44.5	49.7	50.8	51.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 4000	37.0	42.1	48.9	54.5	55.5	56.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 3500	40.9	46.2	53.7	59.5	60.5	61.5	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 3000	52.6	58.9	67.8	74.4	75.5	76.5	78.0	78.5	79.9	79.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500	58.1	54.6	74.5	81.6	82.8	84.5	86.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2000	61.5	59.2	80.1	87.6	88.8	90.5	92.5	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1800	61.8	69.5	80.4	87.9	89.1	91.0	93.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	62.9	72.5	81.5	89.8	91.1	92.4	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	63.9	71.7	82.8	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 100	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 0	63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 557

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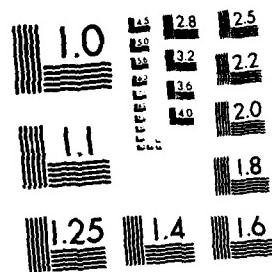
LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs) 2/2
BAD KREUZNACH AAF GERMANY(U) AIR FORCE ENVIRONMENTAL
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.3	12.5	17.2	23.7	24.3	25.1	25.6	26.0	26.4	26.4	26.4	26.4	26.4	26.4	26.5
GE 20000	14.4	16.7	21.7	28.4	29.1	30.1	31.0	31.4	31.8	31.8	31.8	31.9	31.9	32.0	32.0
GE 18000	14.7	17.0	22.0	28.7	29.5	30.6	31.5	31.9	32.4	32.4	32.4	32.5	32.5	32.6	32.6
GE 16000	14.7	17.0	22.0	28.7	29.5	30.6	31.5	31.9	32.4	32.4	32.4	32.5	32.5	32.6	32.6
GE 14000	14.8	17.1	22.1	28.8	29.5	30.8	31.7	32.1	32.6	32.6	32.6	32.7	32.7	32.7	32.7
GE 12000	15.3	17.6	22.6	29.4	30.2	31.4	32.3	32.7	33.2	33.2	33.2	33.3	33.3	33.4	33.4
GE 10000	17.1	19.4	24.7	31.6	32.4	33.9	34.8	35.2	35.7	35.7	35.7	35.8	35.8	35.9	35.9
GE 9000	18.4	20.7	26.1	33.1	34.0	35.7	36.7	37.1	37.7	37.7	37.7	37.7	37.7	37.8	37.8
GE 8000	21.8	24.3	30.6	38.3	39.2	41.4	42.6	43.0	43.8	43.8	43.8	43.8	43.8	43.9	43.9
GE 7000	23.0	25.6	32.3	40.4	41.4	43.8	45.1	45.5	46.2	46.2	46.2	46.3	46.3	46.4	46.4
GE 6000	23.1	25.8	32.4	40.5	41.6	44.0	45.3	45.7	46.4	46.4	46.4	46.5	46.5	46.5	46.6
GE 5000	24.2	27.0	33.8	42.0	43.1	45.5	46.7	47.2	48.0	48.0	48.0	48.0	48.0	48.0	48.1
GE 4000	24.8	27.5	34.5	42.8	43.9	46.3	47.5	48.0	48.8	48.8	48.8	48.9	48.9	48.9	48.9
GE 4000	27.6	30.9	38.5	47.5	48.5	51.1	52.5	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1
GE 3500	31.2	34.9	43.4	52.9	54.1	56.8	58.3	59.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
GE 3000	40.8	45.3	55.9	67.1	68.5	71.8	73.5	74.3	75.5	75.5	75.5	75.5	75.6	75.6	75.7
GE 2500	45.3	50.2	61.9	74.0	75.4	79.4	81.4	82.4	83.8	83.9	83.9	83.9	83.9	84.0	84.0
GE 2000	49.2	54.7	67.8	80.7	82.3	86.4	88.6	89.7	91.5	91.7	91.7	91.7	91.7	91.7	91.8
GE 1800	49.9	55.4	68.5	81.6	83.1	87.3	89.5	90.6	92.4	92.6	92.6	92.6	92.6	92.6	92.7
GE 1500	51.1	56.7	70.1	83.7	85.3	89.7	92.4	93.5	95.5	95.6	95.6	95.6	95.7	95.7	95.8
GE 1200	51.6	57.3	70.7	84.4	96.1	90.7	93.3	94.6	96.5	96.7	96.8	96.8	96.8	96.9	96.9
GE 1000	51.9	57.6	71.0	84.7	86.5	91.0	93.9	95.2	97.3	97.6	97.6	97.6	97.7	97.7	97.8
GE 900	52.0	57.6	71.1	84.8	86.5	91.1	94.0	95.2	97.3	97.6	97.7	97.7	97.7	97.8	97.9
GE 800	52.0	57.6	71.1	84.8	86.5	91.1	94.1	95.3	97.4	97.8	97.8	97.8	97.9	97.9	98.1
GE 700	52.0	57.6	71.1	84.8	86.5	91.1	94.1	95.3	97.5	97.8	97.9	97.9	98.0	98.2	98.2
GE 600	52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.1	98.2	98.2	98.3	98.4	98.4
GE 500	52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.2	98.2	98.2	98.3	98.3	98.5
GE 400	52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.2	98.2	98.2	98.3	98.3	98.5
GE 300	52.0	57.7	71.1	84.8	86.5	91.2	94.2	95.6	97.8	98.2	98.2	98.2	98.3	98.3	99.1
GE 200	52.0	57.7	71.1	84.8	86.5	91.2	94.2	95.6	97.8	98.2	98.2	98.2	98.3	98.3	99.2
GE 100	52.0	57.7	71.1	84.8	86.5	91.2	94.2	95.6	97.8	98.2	98.2	98.2	98.3	98.3	99.6
GE 0	52.0	57.7	71.2	84.9	86.5	91.2	94.3	95.6	97.8	98.2	98.4	98.5	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 2223

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	16.5	20.0	30.0	36.3	36.5	38.7	39.6	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	19.3	23.8	35.2	42.2	42.5	45.3	46.7	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	19.6	24.1	35.8	42.7	43.1	45.8	47.4	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 16000	19.6	24.1	35.8	42.7	43.1	45.8	47.4	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 14000	20.0	24.5	36.1	43.2	43.6	46.4	47.9	47.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 12000	20.0	24.7	36.9	44.1	44.4	47.2	48.8	48.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 10000	21.0	26.4	39.1	46.7	47.0	50.0	51.6	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 9000	21.9	27.4	40.8	48.8	49.1	52.1	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 8000	24.8	30.9	45.0	54.2	54.5	57.6	59.7	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	26.7	33.3	49.4	59.4	59.7	62.6	64.9	64.9	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 6000	26.7	33.3	49.4	59.5	59.9	63.0	65.1	65.1	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	27.4	34.4	50.0	61.6	62.0	65.3	67.4	67.4	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500	27.6	34.5	50.2	62.0	62.3	65.8	67.9	67.9	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4000	28.8	36.1	52.3	65.5	65.8	69.3	71.5	71.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3500	32.1	39.6	56.1	70.1	70.7	74.3	76.6	76.6	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3000	37.0	45.5	63.9	80.0	80.7	84.4	87.2	87.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2500	38.7	47.4	66.7	83.0	83.7	87.3	90.3	90.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	40.3	49.5	70.0	86.8	87.5	91.1	94.3	94.8	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	40.3	49.5	70.1	87.0	87.7	91.3	94.4	95.0	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	40.3	49.5	73.1	87.2	88.0	91.7	95.3	95.8	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.6	99.1	99.5	99.5	99.8	99.8	99.8	99.8
GE 300	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.6	99.1	99.5	99.5	99.8	99.8	99.8	99.8
GE 200	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.6	99.1	99.5	99.5	99.8	99.8	99.8	99.8
GE 100	40.6	49.8	70.7	87.7	88.5	92.2	96.0	96.7	98.6	99.1	99.5	99.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 63	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CETO	18.7	21.9	29.2	33.7	33.9	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 20000	23.1	26.5	34.7	41.3	41.8	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 18000	23.5	27.1	35.3	41.9	42.4	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	23.5	27.1	35.3	41.9	42.4	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000	24.2	27.7	36.1	42.7	43.2	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 12000	24.5	28.1	36.5	43.1	43.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 10000	25.8	29.4	37.9	45.0	45.6	47.9	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 9000	26.6	30.5	39.5	46.9	47.6	49.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 8000	29.0	32.9	42.4	50.2	50.8	53.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 7000	31.1	35.0	45.3	54.4	55.2	57.4	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 6000	31.1	35.0	45.3	54.4	55.2	57.4	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 5000	31.8	36.0	46.5	56.6	57.4	59.7	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 4500	32.1	36.6	47.4	57.6	58.4	60.6	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 4000	35.2	40.0	50.3	61.3	62.1	64.4	66.0	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 3500	40.2	46.1	57.9	70.5	71.3	73.5	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	47.6	53.9	67.9	81.1	81.9	84.5	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500	49.7	56.0	70.5	84.2	85.0	87.6	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	52.4	59.0	75.3	90.0	91.1	93.9	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	52.6	59.2	75.5	90.2	91.3	94.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	53.1	60.0	76.6	91.6	92.7	96.0	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	53.1	60.3	77.1	92.1	93.2	96.5	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	53.1	60.3	77.1	92.1	93.2	96.5	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	53.1	60.3	77.1	92.1	93.2	96.5	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL 26.6	26.6	29.5	34.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000 32.8	36.1	42.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000 32.8	36.1	42.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 16000 32.9	36.3	42.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 14000 32.9	36.3	42.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000 33.1	36.4	43.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 10000 34.6	38.3	44.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 9000 35.6	39.3	46.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 8000 38.4	42.3	49.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 7000 40.4	44.3	52.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 6000 43.4	44.3	52.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 5000 41.4	45.4	53.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 4500 42.8	46.8	55.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 4000 45.4	49.4	58.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 3500 52.6	57.1	67.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 3000 63.6	68.2	80.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500 67.7	72.4	84.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2000 71.2	76.5	88.9	96.5	96.5	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800 71.4	76.7	89.0	97.0	97.0	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500 72.2	77.5	90.2	98.3	98.3	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 0 72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 631

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																	
	GT 160	GE 90	GE 80	GE 60	GE 48	CF 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0		
NO CEIL	33.9	35.1	37.4	40.1	40.1	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	
GE 20000	42.2	43.6	47.2	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	
GE 18000	42.7	44.0	47.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 16000	42.7	44.0	47.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 14000	43.1	44.5	48.2	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
GE 12000	44.3	45.6	49.3	52.5	52.5	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	
GE 10000	46.3	47.7	51.9	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	
GE 9000	47.2	48.6	53.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	
GE 8000	53.7	56.0	60.6	63.8	62.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 7000	55.0	57.3	62.2	66.1	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 6000	55.0	57.3	62.2	66.1	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 5000	56.0	58.5	63.5	67.4	67.4	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	
GE 4500	56.9	59.4	64.4	68.3	68.3	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	
GE 4000	60.3	52.8	68.5	72.7	72.7	72.7	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
GE 3500	66.5	59.5	76.1	80.3	80.3	80.3	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	
GE 3000	76.4	79.6	86.7	91.3	91.3	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE 2500	79.8	83.0	91.5	96.1	96.1	96.1	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 2000	91.2	94.6	93.1	97.7	97.7	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 1800	91.2	84.6	93.1	97.7	97.7	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 1500	81.2	84.6	93.6	98.2	98.2	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 1200	81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1000	81.4	85.1	94.3	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	81.4	85.1	94.3	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	81.4	95.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	81.4	35.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	91.4	95.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	91.4	95.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	81.4	65.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	81.4	95.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CETL 1	23.2	26.0	32.4	36.8	36.9	37.9	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 20000	28.4	31.7	39.5	44.9	45.1	46.5	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	28.8	32.1	39.9	45.3	45.5	46.9	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 16000	28.8	32.1	39.9	45.4	45.6	46.9	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 14000	29.2	32.5	40.3	45.8	46.0	47.4	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 12000	29.5	32.9	40.8	46.4	46.6	48.0	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 10000	30.9	34.6	42.8	48.6	48.9	50.2	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 9000	31.8	35.6	44.3	50.3	51.6	52.0	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 8000	35.3	39.4	48.5	55.1	55.4	56.8	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	37.2	41.4	51.1	58.8	59.1	60.5	61.8	61.8	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 6000	37.2	41.4	51.2	58.8	59.2	60.6	61.8	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 5000	38.0	42.5	52.5	60.7	61.0	62.5	63.7	63.8	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 4500	38.6	43.3	53.5	61.6	61.9	63.5	64.7	64.8	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4000	41.2	46.0	56.6	65.4	65.7	67.2	68.5	68.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500	46.6	51.9	63.5	73.3	73.6	75.2	76.5	76.5	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000	54.8	60.6	73.8	84.5	84.9	86.5	88.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500	57.6	63.5	77.5	88.3	88.7	90.3	91.9	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	60.0	66.3	81.1	92.4	92.9	94.8	96.4	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	60.1	66.4	81.2	92.7	93.1	95.0	96.6	96.8	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	60.4	66.8	81.9	93.5	94.1	96.1	97.9	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	60.5	57.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	60.5	57.1	82.4	94.0	94.5	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	60.5	57.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	60.5	57.1	82.4	94.0	94.6	96.6	98.4	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	50.5	57.1	82.4	94.0	94.6	95.5	98.5	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	60.5	57.1	82.4	94.0	94.5	96.6	98.5	98.8	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	60.5	57.1	82.4	94.0	94.5	95.6	98.5	98.8	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	60.5	57.1	82.4	94.0	94.6	96.6	98.5	98.8	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	60.5	57.1	82.4	94.0	94.6	96.6	98.5	98.8	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	60.5	57.1	82.4	94.0	94.6	96.6	98.5	98.8	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	60.5	57.1	82.4	94.0	94.6	96.6	98.5	98.8	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 01	60.5	57.1	82.4	94.0	94.5	96.6	98.5	98.8	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	17.6	21.1	28.3	32.2	32.2	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 20000	19.4	24.1	32.3	36.6	36.6	37.1	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 18000	19.4	24.1	32.2	36.8	36.8	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 16000	19.4	24.1	32.2	36.8	36.8	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 14000	19.5	24.3	32.9	37.5	37.5	38.0	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 12000	19.9	24.6	33.8	38.4	38.4	38.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 10000	22.0	26.9	36.6	41.2	41.2	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 9000	23.8	29.6	39.8	44.4	44.4	44.9	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 8000	29.2	36.4	48.8	54.0	54.0	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000	31.5	39.3	52.8	58.1	58.1	58.6	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 6000	31.5	39.3	53.0	58.5	58.5	59.0	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 5000	33.5	41.7	56.5	62.7	62.7	63.2	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4500	34.3	42.6	58.6	65.1	65.1	65.7	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	36.6	45.8	62.7	69.5	69.5	70.1	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	39.8	49.5	68.1	75.4	75.4	75.9	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	43.8	54.6	74.8	82.9	83.1	83.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2500	44.2	55.3	76.9	85.4	85.7	86.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	47.4	59.2	82.2	90.8	91.2	92.4	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	47.5	59.3	82.5	91.2	91.5	93.0	94.5	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	47.7	59.9	84.3	93.0	93.3	94.7	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	48.1	50.2	84.5	93.7	94.4	95.8	97.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	48.4	50.6	85.3	94.2	94.9	96.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	48.4	50.6	85.3	94.2	94.9	96.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	48.4	50.6	85.3	94.2	94.9	96.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 0	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 568

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																	
	GT 160	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0			
NO CEIL	18.6	20.9	27.1	29.1	29.1	29.4	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 20000	22.2	24.7	31.9	34.0	34.0	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 18000	22.4	24.8	32.1	34.2	34.2	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 16000	22.4	24.8	32.1	34.2	34.2	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 14000	22.4	25.0	32.2	34.4	34.4	34.7	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 12000	22.5	25.2	33.5	35.7	35.7	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 10000	23.8	26.6	36.0	38.2	38.2	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 9000	26.6	29.4	39.0	41.1	41.1	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 8000	22.1	36.5	46.4	49.2	49.3	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 7000	34.5	39.1	49.7	52.5	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000	34.5	39.1	49.7	52.6	52.6	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 5000	36.2	41.0	51.6	54.9	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 4500	37.3	42.3	53.9	57.1	57.2	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 4000	40.3	46.2	58.2	61.7	61.8	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3500	45.2	51.8	64.8	69.2	69.4	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3000	55.6	52.5	76.3	81.3	81.4	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 2500	58.6	65.5	79.9	85.2	85.4	86.0	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2000	62.0	69.2	85.2	90.8	91.0	91.6	91.8	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800	62.3	59.6	85.9	91.8	91.9	92.6	92.8	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	64.0	71.5	88.3	93.9	94.1	94.9	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200	64.6	72.2	85.7	95.1	95.2	96.4	96.4	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	65.3	73.2	89.8	96.2	96.4	97.5	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	65.3	73.2	89.8	96.2	96.4	97.5	98.4	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	65.3	73.2	89.8	96.2	96.4	97.5	98.5	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 608

GLOBAL CLIMATOLOGY BRANCH
USAFTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	26.9	27.5	30.3	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 20000	32.2	32.9	36.3	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 18000	32.9	33.6	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 16000	32.9	33.6	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 14000	32.9	33.6	37.2	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 12000	33.4	34.1	38.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 10000	35.1	35.8	39.9	40.8	41.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 9000	37.0	37.7	42.0	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 8000	42.7	43.5	48.7	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 7000	46.1	47.3	53.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 6000	46.3	47.5	57.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 5000	48.5	49.7	56.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 4500	50.3	51.6	58.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4000	54.0	55.9	63.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 3500	52.1	54.4	72.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	72.6	75.7	84.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	75.7	79.0	88.0	89.7	89.7	89.7	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	80.4	83.6	93.3	95.2	95.2	95.2	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	82.6	84.0	93.6	95.5	95.5	95.5	95.5	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	92.8	96.2	95.9	97.8	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	93.3	86.9	96.7	98.6	98.6	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	83.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	93.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 75-87

MONTH: MAY HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	31.7	31.7	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 20000	38.6	38.6	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 18000	39.3	39.3	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000	39.3	39.3	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 14000	39.3	39.3	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 12000	40.5	40.5	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000	42.6	42.6	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 9000	45.0	45.0	46.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 8000	50.0	51.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 7000	53.8	55.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 6000	53.8	55.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	55.0	56.4	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 4500	58.6	60.2	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4000	61.4	63.8	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3500	67.6	70.0	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3000	78.1	81.0	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2500	80.7	84.0	90.5	91.2	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	93.8	87.9	94.3	95.5	95.5	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	93.8	97.9	94.3	95.5	95.5	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	85.2	99.8	96.4	97.6	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	85.7	90.2	96.9	98.1	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	85.7	91.0	97.6	98.8	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	65.7	91.0	97.6	98.8	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 420

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 162	GE 90	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	23.1	24.8	29.3	31.1	31.1	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 20000	27.3	29.4	34.9	36.9	36.8	37.1	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 18000	27.7	29.8	35.2	37.3	37.3	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 16000	27.7	29.8	35.2	37.3	37.3	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 14000	27.7	29.9	35.6	37.7	37.7	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 12000	28.2	30.4	36.7	38.8	36.8	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 10000	30.0	32.2	39.3	41.1	41.1	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 9000	32.2	34.7	41.3	43.8	43.8	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 8000	37.6	41.2	49.2	51.6	51.6	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 7000	40.6	44.5	53.3	55.9	55.9	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 6000	40.6	44.5	53.4	56.0	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000	42.4	46.5	55.8	58.7	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4500	44.1	48.3	53.2	61.2	61.2	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4000	47.1	52.1	62.4	65.7	65.8	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 3500	52.6	58.1	69.5	73.3	73.3	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	61.4	67.5	80.0	84.1	84.2	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	63.7	70.0	83.3	87.6	87.7	88.2	88.6	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000	67.3	74.0	88.3	92.9	93.0	93.5	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	67.5	74.3	88.7	93.3	93.5	94.0	94.5	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1500	68.9	75.9	93.7	95.4	95.5	96.1	96.7	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	69.4	76.5	91.3	96.2	96.5	97.2	97.8	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	69.7	77.1	92.1	97.1	97.3	98.0	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	69.7	77.1	92.1	97.1	97.3	98.0	98.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	69.7	77.1	92.1	97.2	97.4	98.1	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 01	69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 2177

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 116265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 20000	22.5	26.4	33.4	40.9	41.1	41.7	42.7	43.2	43.4	43.6	43.8	43.9	44.1	44.1	44.1	44.1
GE 18000	22.8	26.7	33.7	41.3	41.5	42.0	43.1	43.6	43.8	43.9	43.9	44.1	44.3	44.5	44.5	44.5
GE 16000	22.8	26.7	33.7	41.3	41.5	42.0	43.1	43.6	43.8	43.9	43.9	44.1	44.3	44.5	44.5	44.5
GE 14000	23.4	27.4	34.8	42.5	42.7	43.2	44.3	44.8	45.0	45.2	45.2	45.3	45.5	45.7	45.7	45.7
GE 12000	24.6	28.8	35.9	45.0	45.2	45.7	46.7	47.3	47.5	47.6	47.6	47.8	48.0	48.2	48.2	48.2
GE 10000	26.5	30.6	39.7	48.5	48.7	49.2	50.3	50.8	51.0	51.1	51.1	51.3	51.5	51.7	51.7	51.7
GE 9000	27.8	32.0	41.5	51.1	51.5	52.0	53.1	53.6	53.8	54.0	54.0	54.1	54.3	54.5	54.5	54.5
GE 8000	22.3	37.9	50.1	61.5	61.9	62.6	63.6	64.1	64.3	64.5	64.5	64.7	64.9	65.0	65.0	65.0
GE 7000	33.9	39.7	52.9	65.2	65.6	66.3	67.3	67.8	68.0	68.2	68.2	68.4	68.5	68.7	68.7	68.7
GE 6000	33.9	39.7	52.9	65.2	65.6	66.3	67.3	67.8	68.0	68.2	68.2	68.4	68.5	68.7	68.7	68.7
GE 5000	34.8	40.8	54.3	66.8	67.1	67.8	68.9	69.4	69.6	69.8	69.8	69.9	70.1	70.3	70.3	70.3
GE 4500	35.0	41.3	55.3	67.5	67.8	68.5	69.6	70.1	70.3	70.5	70.5	70.7	70.8	71.0	71.0	71.0
GE 4000	37.3	44.1	58.2	70.7	71.6	71.7	72.8	73.3	73.5	73.6	73.6	73.8	74.0	74.2	74.2	74.2
GE 3500	38.8	46.0	60.6	74.2	74.5	75.4	76.6	77.2	77.3	77.5	77.5	77.7	77.9	78.0	78.0	78.0
GE 3000	45.7	54.8	71.5	86.5	86.6	87.7	89.3	89.8	90.0	90.2	90.2	90.3	90.5	90.7	90.7	90.7
GE 2500	48.2	57.8	74.9	89.8	90.2	91.0	92.6	93.1	93.3	93.5	93.5	93.7	93.8	94.0	94.0	94.0
GE 2000	49.9	59.8	77.3	92.6	93.1	94.0	95.8	96.3	96.5	96.7	96.7	96.8	97.0	97.2	97.2	97.2
GE 1800	50.8	57.6	77.9	93.5	94.0	94.9	96.7	97.2	97.4	97.5	97.5	97.7	97.9	98.1	98.1	98.1
GE 1500	51.1	51.0	78.4	94.0	94.6	95.4	97.2	97.7	97.9	98.1	98.1	98.2	98.4	98.6	98.6	98.6
GE 1200	51.5	51.3	78.7	94.4	94.9	95.8	97.5	98.1	98.2	98.4	98.4	98.6	98.8	98.9	98.9	98.9
GE 1000	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	99.0	99.1	99.1	99.3	99.5	99.5	99.5
GE 800	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	99.0	99.1	99.1	99.3	99.5	99.5	99.5
GE 600	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	99.0	99.1	99.1	99.3	99.5	99.5	99.5
GE 500	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	99.1	99.1	99.1	99.3	99.5	99.5	99.5
GE 400	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.9	99.1	99.1	99.1	99.3	99.5	99.5	99.5
GE 300	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.9	99.1	99.1	99.1	99.3	99.5	99.5	99.5
GE 200	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.9	99.1	99.1	99.1	99.3	99.5	99.5	99.5
GE 100	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.9	99.1	99.1	99.1	99.3	99.5	99.5	99.5
GE 0	51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.9	99.1	99.1	99.1	99.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 569

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	20.8	23.1	29.3	31.9	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 20000	26.2	29.3	36.7	39.8	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 18000	26.4	29.5	35.8	39.9	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 16000	26.4	29.5	37.0	40.1	40.6	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 14000	27.0	30.3	38.0	41.1	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 12000	29.0	32.6	40.4	43.5	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 10000	32.6	36.3	44.4	47.5	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 9000	33.2	37.0	45.5	48.8	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 8000	39.6	43.0	53.4	57.3	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 7000	41.2	45.7	56.5	60.6	61.4	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	41.2	45.7	56.5	60.7	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 5000	42.2	47.0	58.1	62.7	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4500	43.2	48.0	59.1	63.7	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 4000	48.1	53.5	65.1	69.7	70.7	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500	50.9	56.5	68.6	73.6	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3000	62.7	58.9	81.2	87.4	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	66.1	72.5	84.9	91.5	92.5	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2200	68.6	75.1	88.1	94.9	96.1	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	68.6	75.1	88.1	94.9	96.1	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	69.2	75.9	89.3	95.9	97.1	97.5	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	69.4	76.1	89.4	96.2	97.4	97.9	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	69.6	76.4	89.9	96.9	98.0	98.5	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	69.6	76.4	89.9	96.9	98.0	98.5	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 1600 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	23.0	24.0	26.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 20000	30.4	31.6	33.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 18000	30.4	31.6	33.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 16000	30.4	31.6	33.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 14000	30.8	32.0	34.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 12000	32.1	33.3	35.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 10000	33.7	34.9	37.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 9000	37.6	38.8	41.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 8000	45.2	47.4	51.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 7000	48.6	50.9	54.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 6000	48.6	50.9	54.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 5000	50.5	52.7	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4500	51.5	53.7	58.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 4000	58.5	61.2	65.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 3500	66.0	68.9	74.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	78.6	82.7	88.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	82.8	87.1	93.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	84.5	88.8	95.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	84.7	88.9	95.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	85.4	89.6	96.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	85.9	90.1	96.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 588

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	26.3	26.5	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
GE 20000	37.0	37.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 18000	37.2	37.5	38.9	38.9	36.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 16000	37.2	37.5	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 14000	37.2	37.5	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 12000	38.7	38.9	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000	39.9	40.3	42.3	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 9000	41.5	42.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 8000	50.6	52.3	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 7000	54.9	56.6	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 6000	55.1	56.8	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000	58.7	60.4	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 4500	60.4	62.1	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4000	67.5	69.2	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3500	75.2	76.8	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3000	87.6	89.3	92.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500	90.5	92.1	95.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	92.8	95.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	92.8	95.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	92.8	95.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	92.8	95.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 63	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.9	23.8	27.9	30.7	30.9	31.1	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.5	31.5
GE 20000	28.4	30.7	35.4	38.5	38.7	39.0	39.2	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.6	39.6
GE 18000	28.6	30.9	35.6	38.7	38.9	39.1	39.4	39.6	39.6	39.6	39.6	39.7	39.7	39.8	39.8	39.8
GE 16000	28.6	30.9	35.7	38.8	39.0	39.2	39.5	39.6	39.7	39.7	39.7	39.8	39.8	39.9	39.9	39.9
GE 14000	29.0	31.4	36.4	39.6	39.8	40.0	40.3	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6
GE 12000	30.6	33.0	38.3	41.6	41.9	42.0	42.3	42.4	42.5	42.5	42.5	42.6	42.6	42.7	42.7	42.7
GE 10000	32.7	35.3	43.8	44.3	44.5	44.7	45.0	45.1	45.2	45.2	45.2	45.3	45.3	45.4	45.4	45.4
GE 9000	34.6	37.2	43.3	46.9	47.1	47.3	47.6	47.7	47.8	47.8	47.8	47.9	47.9	48.0	48.0	48.0
GE 8000	41.1	44.6	52.2	56.7	56.9	57.2	57.5	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9
GE 7000	43.9	47.6	55.7	60.8	61.1	61.4	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0
GE 6000	44.0	47.6	55.9	60.9	61.2	61.5	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1
GE 5000	45.7	49.5	57.8	63.1	63.4	63.6	64.0	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3
GE 4500	46.6	50.5	58.9	64.1	64.4	64.7	65.0	65.2	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.4
GE 4000	51.8	56.1	64.9	70.1	70.4	70.7	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.4	71.4	71.4
GE 3500	56.5	51.0	70.1	75.8	76.2	76.5	76.9	77.0	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2
GE 3000	67.3	72.8	82.7	89.3	89.7	90.0	90.5	90.6	90.7	90.7	90.7	90.8	90.8	90.9	90.9	90.9
GE 2500	70.6	76.4	86.6	93.2	93.6	94.0	94.5	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8
GE 2000	72.7	78.6	89.1	96.1	96.6	96.9	97.6	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1	98.1
GE 1800	72.9	78.9	89.3	96.4	96.8	97.2	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4
GE 1500	73.4	79.4	89.9	97.0	97.4	97.8	98.4	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
GE 1200	73.7	79.7	90.3	97.3	97.8	98.2	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4
GE 1000	73.7	79.7	90.4	97.6	98.0	98.4	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8
GE 900	73.7	79.7	90.4	97.6	98.0	98.4	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8
GE 800	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9
GE 700	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9
GE 600	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9
GE 500	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9
GE 400	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0
GE 300	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0
GE 200	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0
GE 100	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0
GE 0	73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.9	21.4	30.4	36.7	37.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.5
GE 20000	19.6	23.8	34.3	41.1	42.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
GE 18000	19.6	23.8	34.3	41.1	42.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
GE 16000	19.6	23.8	34.3	41.1	42.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
GE 14000	19.6	24.0	34.5	41.3	42.5	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
GE 12000	20.4	24.8	35.5	42.9	44.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2
GE 10000	23.4	28.4	39.7	47.4	48.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4
GE 9000	24.4	29.8	41.5	49.2	50.6	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6
GE 8000	27.6	33.7	46.0	55.4	56.9	59.5	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3
GE 7000	29.4	36.1	48.9	58.3	59.9	62.5	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 6000	29.4	36.1	48.8	58.3	59.9	62.5	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 5000	30.0	36.9	50.6	60.3	61.9	64.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5
GE 4500	31.9	38.9	54.0	63.7	65.3	68.1	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 4000	34.9	43.5	59.7	69.6	71.4	74.2	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
GE 3500	38.9	48.6	66.1	76.8	78.6	81.5	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
GE 3000	41.9	52.8	71.5	83.1	84.9	88.5	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.9
GE 2500	44.2	56.0	76.0	88.7	90.5	94.0	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.4
GE 2000	45.4	57.5	77.6	90.3	92.5	96.4	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.0
GE 1800	45.4	57.5	77.6	90.3	92.5	96.4	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.0
GE 1500	45.4	57.5	77.5	90.5	92.9	96.8	97.6	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.6
GE 1200	45.4	57.5	77.6	90.5	92.9	96.8	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8
GE 1000	45.4	57.5	77.6	90.5	92.9	96.8	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.0
GE 900	45.4	57.5	77.5	90.5	92.9	96.8	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.0
GE 800	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.2
GE 700	45.4	57.5	77.5	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.6
GE 600	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.8
GE 500	45.4	57.5	77.5	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 400	45.4	57.5	77.5	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 300	45.4	57.5	77.5	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 200	45.4	57.5	77.5	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 100	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 0	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 504

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.3	24.3	31.8	35.7	35.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 20000	25.0	28.5	36.4	41.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 18000	25.4	28.9	36.8	42.1	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 16000	25.4	28.9	36.8	42.1	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 14000	25.4	28.9	36.8	42.1	42.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000	25.7	29.2	37.3	42.6	42.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 10000	28.1	32.0	40.6	46.9	47.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 9000	29.4	33.5	42.1	48.7	49.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 8000	35.1	39.5	49.3	56.4	57.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 7000	38.1	42.5	53.1	60.7	61.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 6000	38.1	42.5	53.1	60.7	61.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 5000	39.5	44.1	55.0	62.7	63.6	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4500	40.8	45.4	57.0	64.9	65.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4200	47.1	52.4	64.7	73.2	74.1	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3500	52.2	58.6	71.0	79.8	80.7	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000	57.5	54.3	76.8	86.2	87.1	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	60.7	58.0	81.3	91.7	92.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000	61.8	69.5	82.7	93.6	94.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	62.1	59.9	83.1	93.9	94.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	62.5	70.4	83.8	94.7	95.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 100	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 50	62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 544

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	24.3	25.1	29.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 20000	28.9	30.0	35.3	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 18000	29.2	30.4	35.7	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 16000	29.2	30.4	35.7	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 14000	29.4	30.6	35.9	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 12000	30.4	31.5	37.3	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000	33.2	34.9	40.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000	35.1	36.8	43.3	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 8000	42.3	44.2	50.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000	45.3	47.4	54.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 6000	45.3	47.4	54.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 5000	46.2	48.3	54.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 4500	47.9	50.0	56.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 4000	57.2	59.2	66.5	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 3500	65.1	67.2	75.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3000	74.2	76.4	85.1	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	79.4	81.9	90.6	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	80.0	82.5	91.5	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	80.2	82.6	91.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	90.6	93.0	92.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	80.6	83.0	92.3	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.9	93.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.9	93.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAO KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	29.8	32.1	33.4	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 20000	36.0	39.2	41.0	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 18000	37.1	40.2	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 16000	37.1	40.2	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 14000	37.1	40.2	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 12000	38.9	42.3	44.1	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	42.3	45.7	47.8	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 9000	45.2	48.8	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 8000	52.0	55.6	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 7000	57.2	60.8	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	57.2	60.8	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 5000	59.3	62.9	65.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	61.6	65.3	67.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4000	69.2	73.6	76.0	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3500	73.6	78.1	81.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3000	80.9	85.6	90.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	94.1	88.8	93.2	96.1	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	25.4	90.1	95.0	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	85.4	90.1	95.3	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	85.4	90.1	95.0	98.4	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	85.4	90.1	95.0	99.0	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	95.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	85.6	90.6	95.6	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.6	90.6	95.6	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.6	90.6	95.6	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 383

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	22.9	25.3	31.1	34.7	34.9	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8
GE 20000	26.8	29.8	36.5	40.8	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 18000	27.2	30.2	36.9	41.2	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 16000	27.2	30.2	36.9	41.2	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 14000	27.3	30.3	37.0	41.3	41.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 12000	28.2	31.3	38.1	42.6	43.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 10000	31.1	34.5	41.9	46.8	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 9000	32.7	36.4	43.9	49.0	49.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
GE 8000	36.4	42.4	50.5	56.3	57.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
GE 7000	41.5	45.7	54.2	60.2	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 6000	41.5	45.7	54.2	60.2	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 5000	42.7	47.1	55.8	61.9	62.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0
GE 4500	44.5	48.9	58.2	64.4	65.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	51.0	56.1	66.1	72.8	73.6	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
GE 3500	56.5	62.2	72.9	80.0	80.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
GE 3000	62.6	68.8	80.3	88.0	88.8	90.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
GE 2500	66.1	72.7	84.8	93.1	93.8	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
GE 2000	67.1	73.9	95.2	94.6	95.5	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 1800	67.3	74.1	86.3	94.8	95.7	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9
GE 1500	67.5	74.3	86.5	95.4	96.3	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 1200	67.5	74.3	86.7	95.7	96.6	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 1000	67.6	74.6	86.9	95.9	96.8	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 900	67.6	74.6	86.9	95.9	96.8	98.5	98.9	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7
GE 800	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 700	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9
GE 500	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 400	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 300	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 200	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 0	67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 1951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.4	21.6	30.0	41.9	43.0	44.0	44.7	44.9	45.3	45.3	45.3	45.3	45.3	45.8	45.8	46.0
GE 20000	20.4	25.3	34.4	46.7	47.7	48.9	50.0	50.2	50.5	50.5	50.5	50.5	50.7	51.2	51.2	51.4
GE 18000	20.5	25.4	34.7	47.0	48.1	49.3	50.4	50.5	50.9	50.9	50.9	50.9	51.1	51.6	51.6	51.8
GE 16000	20.5	25.4	34.7	47.0	48.1	49.3	50.4	50.5	50.9	50.9	50.9	50.9	51.1	51.6	51.6	51.8
GE 14000	20.7	25.6	34.9	47.2	48.2	49.5	50.5	50.7	51.1	51.1	51.1	51.1	51.2	51.8	51.8	51.9
GE 12000	21.9	27.2	35.5	48.8	49.8	51.1	52.1	52.3	52.6	52.6	52.6	52.6	52.8	53.3	53.3	53.5
GE 10000	23.5	28.8	38.6	51.6	52.6	53.9	55.4	55.6	56.0	56.0	56.1	56.3	56.8	56.8	57.0	
GE 9000	24.0	29.5	39.6	52.6	53.7	54.9	56.5	56.7	57.0	57.0	57.2	57.4	57.9	57.9	58.1	
GE 8000	27.9	34.6	46.7	61.1	62.3	63.5	65.6	66.0	66.5	66.5	66.7	66.8	67.4	67.4	67.5	
GE 7000	28.9	36.0	49.1	63.7	64.9	66.1	68.4	68.8	69.3	69.3	69.5	69.6	70.2	70.2	70.4	
GE 6000	28.9	36.0	49.1	63.7	64.9	66.1	68.4	68.8	69.3	69.3	69.5	69.6	70.2	70.2	70.4	
GE 5000	30.4	37.9	51.1	66.0	67.2	68.4	70.7	71.1	71.6	71.6	71.8	71.9	72.5	72.5	72.6	
GE 4500	31.4	39.1	53.0	68.1	69.3	70.5	72.8	73.2	73.7	73.7	73.9	74.0	74.6	74.6	74.7	
GE 4000	33.3	41.4	56.3	72.3	73.5	74.9	77.2	77.5	78.1	78.1	78.2	78.4	78.9	78.9	79.1	
GE 3500	35.3	43.9	59.8	76.5	77.7	79.1	81.4	81.8	82.3	82.3	82.5	82.6	83.2	83.2	83.3	
GE 3000	37.7	47.0	63.9	82.3	83.9	85.4	87.7	88.4	89.3	89.3	89.5	89.8	90.4	90.4	90.7	
GE 2500	38.1	47.4	64.4	83.3	84.9	86.5	88.8	89.5	90.4	90.4	90.5	90.9	91.4	91.4	91.8	
GE 2000	39.3	48.6	65.8	84.7	86.3	88.2	91.1	91.8	92.6	92.6	92.8	93.2	93.7	93.7	94.0	
GE 1800	39.3	48.6	66.0	84.9	86.5	88.4	91.6	92.3	93.2	93.2	93.3	93.7	94.2	94.2	94.6	
GE 1500	39.3	48.6	66.0	85.1	86.8	88.9	92.1	92.8	93.9	93.9	94.0	94.4	94.9	94.9	95.3	
GE 1200	39.3	48.6	66.0	85.1	86.8	88.9	92.1	93.0	94.0	94.2	94.4	94.7	95.3	95.3	95.6	
GE 1000	39.3	48.6	66.3	85.4	87.2	89.3	92.5	93.3	94.6	94.7	94.9	95.3	96.1	96.1	96.5	
GE 900	39.3	48.6	66.3	85.4	87.2	89.3	92.5	93.3	94.6	94.7	94.9	95.3	96.1	96.1	96.5	
GE 800	39.5	48.8	66.5	85.6	87.4	89.5	92.6	93.5	94.7	94.9	95.1	95.4	96.3	96.3	96.7	
GE 700	39.5	48.8	66.5	85.6	87.4	89.5	92.8	93.7	94.9	95.1	95.3	95.6	96.7	96.7	97.0	
GE 600	39.5	48.8	66.5	85.6	87.4	89.5	92.8	93.7	94.9	95.1	95.3	95.6	96.7	96.7	97.2	
GE 500	39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.2	97.4	97.9	
GE 400	39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	99.3	
GE 300	39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	99.8	
GE 200	39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	100.0	
GE 100	39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	100.0	
GE 01	39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CЕIL	23.1	27.2	38.5	43.4	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	27.5	32.4	44.5	49.9	50.9	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	27.5	32.4	44.5	49.9	50.9	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 16000	27.5	32.4	44.5	49.9	50.9	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 14000	27.8	32.9	45.0	50.4	51.4	52.4	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 12000	29.0	34.0	46.2	51.7	52.7	53.7	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	30.6	36.0	48.4	54.3	55.3	56.5	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 9000	32.6	38.0	50.5	56.6	57.6	58.9	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	36.1	49.0	58.5	65.8	66.6	67.9	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	39.1	45.2	59.9	67.6	68.6	69.9	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 6000	39.1	45.2	59.9	67.6	68.6	69.9	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	39.8	46.0	61.0	69.4	70.4	71.7	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4500	40.6	47.1	62.5	71.2	72.2	73.5	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4000	43.4	50.2	66.1	75.3	76.3	77.7	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	48.8	55.6	71.5	81.2	82.2	83.8	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3000	53.8	50.7	78.5	87.9	88.9	90.8	91.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2500	55.3	52.2	80.0	89.4	91.0	93.0	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	56.5	53.3	81.7	92.0	93.6	95.6	96.6	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	56.6	63.5	81.9	92.3	93.9	95.9	96.9	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	57.0	53.8	82.5	93.1	94.6	96.7	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	57.0	53.8	82.5	93.1	94.8	95.7	97.7	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	57.0	53.8	82.7	93.5	95.1	97.1	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	57.0	63.8	82.7	93.5	95.1	97.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	57.0	63.8	82.7	93.5	95.1	97.2	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	57.0	53.8	82.7	93.5	95.1	97.4	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	57.0	53.8	82.7	93.5	95.1	97.4	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	57.0	53.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	57.0	53.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	57.0	53.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	57.0	53.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	57.0	53.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	57.0	53.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CESTL	25.0	29.1	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	33.4	37.8	43.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 18000	33.8	38.3	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 16000	33.8	38.3	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 14000	33.9	38.5	44.4	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 12000	35.0	39.7	45.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	37.8	42.5	48.7	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 9000	39.7	44.4	50.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 8000	45.9	50.8	58.7	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 7000	47.7	52.6	60.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000	47.7	52.6	60.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 5000	50.6	55.5	63.7	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 4500	52.1	57.1	65.4	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000	58.2	63.4	71.3	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500	66.2	71.4	81.0	83.0	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	75.0	80.7	91.9	94.5	94.6	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	77.1	82.9	94.1	97.0	97.3	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	77.6	83.5	94.8	98.3	98.7	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	77.6	83.5	94.9	98.3	98.7	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 79-87

MONTH: AUG HOURS(LST): 1500-1700

CEILING	VISIBILITY IN HUNDREDS OF METERS															
	IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	50	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	1	31.1	32.7	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 200001	39.3	41.2	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 160001	39.8	41.6	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 120001	39.6	41.6	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 140001	39.8	41.9	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 120001	42.8	44.9	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 100001	45.9	48.0	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 90001	48.2	50.4	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 80001	57.2	59.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 70001	60.0	52.1	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 60001	60.0	52.1	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 50001	62.6	64.7	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 40001	63.8	55.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 30001	69.4	72.5	77.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 35001	76.9	90.0	86.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 30001	85.2	88.7	95.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 250001	96.4	89.9	96.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 200001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 180001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 150001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 120001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 90001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 80001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 70001	97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 60001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 50001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 40001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 30001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10001	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	87.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 425

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): ALL

CEILING	VISIBILITY IN HUNDREDS OF METERS														
	IN	GT	GE												
FEET	150	90	80	60	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	23.7	27.3	34.5	39.2	39.6	40.3	40.5	40.6	40.7	40.7	40.7	40.8	40.8	40.9
GE 20000	29.5	33.7	41.7	46.6	47.2	47.8	48.1	48.2	48.3	48.3	48.3	48.3	48.5	48.5	48.5
GE 18000	29.8	34.0	42.0	46.9	47.5	48.1	48.4	48.5	48.6	48.6	48.6	48.7	48.8	48.8	48.8
GE 16000	29.8	34.0	42.0	46.9	47.5	48.1	48.4	48.5	48.6	48.6	48.6	48.7	48.8	48.8	48.8
GE 14000	29.9	34.3	42.3	47.2	47.8	48.3	48.7	48.8	48.9	48.9	48.9	49.0	49.1	49.1	49.1
GE 12000	31.4	35.9	43.9	48.9	49.4	50.0	50.3	50.4	50.6	50.6	50.6	50.7	50.7	50.8	50.8
GE 10000	33.7	38.2	46.5	51.8	52.4	53.0	53.5	53.6	53.7	53.7	53.8	53.8	54.0	54.0	54.0
GE 9000	35.3	39.9	48.3	53.7	54.2	54.9	55.4	55.5	55.6	55.6	55.7	55.7	55.8	55.8	55.9
GE 8000	41.3	46.3	56.5	62.8	63.4	64.1	64.7	64.9	65.1	65.1	65.2	65.3	65.3	65.3	65.3
GE 7000	42.8	48.1	58.5	65.1	65.7	66.4	67.1	67.2	67.4	67.4	67.5	67.6	67.6	67.6	67.7
GE 6000	42.8	48.1	58.5	65.1	65.7	66.4	67.1	67.2	67.4	67.4	67.5	67.6	67.6	67.6	67.7
GE 5000	44.7	50.1	60.3	67.5	68.1	68.8	69.5	69.7	69.8	69.8	69.9	69.9	70.1	70.1	70.1
GE 4500	45.6	51.4	62.4	69.2	69.8	70.6	71.2	71.4	71.6	71.6	71.6	71.8	71.8	71.8	71.8
GE 4000	49.8	55.8	67.4	74.7	75.3	76.1	76.8	77.0	77.1	77.1	77.2	77.4	77.4	77.4	77.4
GE 3500	55.4	51.6	74.0	81.7	82.3	83.3	84.0	84.1	84.3	84.3	84.4	84.4	84.6	84.6	84.6
GE 3000	61.4	58.0	81.5	89.9	90.6	91.7	92.5	92.7	93.0	93.0	93.0	93.1	93.3	93.3	93.4
GE 2500	62.7	59.3	83.0	91.5	92.5	93.5	94.4	94.7	95.0	95.0	95.0	95.1	95.3	95.3	95.4
GE 2000	63.8	70.4	84.3	93.4	94.3	95.5	96.5	97.0	97.3	97.3	97.3	97.4	97.5	97.5	97.6
GE 1800	63.8	70.5	84.4	93.5	94.5	95.6	96.8	97.2	97.5	97.5	97.6	97.8	97.8	97.9	97.9
GE 1500	64.6	70.7	84.7	93.9	94.9	96.1	97.3	97.7	98.0	98.0	98.1	98.2	98.3	98.3	98.4
GE 1200	64.0	70.7	84.7	93.9	94.9	96.1	97.3	97.7	98.1	98.2	98.2	98.3	98.5	98.5	98.5
GE 1000	64.0	70.7	84.8	94.1	95.1	96.3	97.5	97.9	98.4	98.4	98.5	98.5	98.7	98.7	98.8
GE 900	64.0	70.7	84.8	94.1	95.1	96.4	97.5	98.0	98.4	98.5	98.5	98.6	98.8	98.8	98.9
GE 800	64.1	70.7	84.9	94.1	95.1	96.4	97.6	98.0	98.5	98.5	98.6	98.7	98.9	98.9	99.0
GE 700	64.1	70.7	84.9	94.1	95.1	96.5	97.7	98.1	98.6	98.6	98.7	98.8	99.0	99.0	99.1
GE 600	64.1	70.7	84.9	94.1	95.1	96.5	97.7	98.2	98.6	98.7	98.8	99.1	99.1	99.2	
GE 500	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.9	98.9	99.0	99.3	99.3	99.5
GE 400	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.9	98.9	99.0	99.4	99.5	99.8
GE 300	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.9	98.9	99.0	99.4	99.5	100.0
GE 200	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.9	98.9	99.0	99.4	99.5	100.0
GE 100	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.9	98.9	99.0	99.4	99.5	100.0
GE 0	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.9	98.9	99.0	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 2231

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	15.5	18.9	30.3	37.5	38.4	40.3	41.1	41.1	42.0	42.5	42.5	42.7	43.2	43.7	43.9
GE 20000	16.7	20.8	33.9	41.8	42.7	44.9	46.1	46.3	47.3	47.7	47.7	48.0	48.7	49.2	49.4
GE 18000	16.7	20.8	33.9	41.8	42.7	44.9	46.1	46.3	47.3	47.7	47.7	48.0	48.7	49.2	49.4
GE 16000	16.7	20.8	33.9	41.8	42.7	44.9	46.1	46.3	47.3	47.7	47.7	48.0	48.7	49.2	49.4
GE 14000	16.9	21.2	34.4	42.2	43.2	45.3	46.5	46.8	47.7	48.2	48.2	48.4	49.2	49.6	49.9
GE 12000	17.9	22.2	35.3	43.2	44.2	46.3	47.5	47.7	48.7	49.2	49.2	49.4	50.4	50.8	51.1
GE 10000	19.3	23.6	37.7	45.6	46.5	49.9	50.1	50.4	51.3	51.8	51.8	52.0	53.0	53.5	53.7
GE 9000	20.0	24.3	38.4	46.5	47.5	49.9	51.3	51.6	52.5	53.0	53.0	53.2	54.2	54.7	54.9
GE 8000	22.7	28.2	43.4	52.5	53.7	56.1	57.5	57.8	58.7	59.2	59.2	59.4	60.4	60.9	61.1
GE 7000	24.1	29.8	46.1	55.6	57.3	59.9	61.6	61.8	63.2	63.7	63.7	64.0	64.9	65.4	65.6
GE 6000	24.1	29.8	46.1	55.6	57.3	59.9	61.6	61.8	63.2	63.7	63.7	64.0	64.9	65.4	65.6
GE 5000	24.3	30.1	46.3	57.0	58.7	61.3	63.2	63.5	64.9	65.4	65.4	66.6	67.1	67.3	
GE 4500	24.8	30.5	47.5	58.2	59.9	62.5	64.4	64.7	66.1	66.6	66.6	66.8	67.8	68.3	68.5
GE 4000	28.6	34.5	53.5	64.9	66.6	69.2	71.1	71.4	72.8	73.3	73.3	73.5	74.5	74.9	75.2
GE 3500	31.7	37.7	57.3	69.0	71.4	74.5	76.6	76.8	78.3	78.8	78.8	79.0	80.0	80.4	80.7
GE 3000	35.3	41.5	61.3	74.5	77.3	81.4	84.0	84.5	86.2	86.6	86.6	86.9	87.8	88.3	88.5
GE 2500	36.5	43.0	63.0	76.1	79.2	84.2	87.1	87.6	89.3	89.7	89.7	90.0	90.9	91.4	91.6
GE 2000	37.9	44.6	65.2	78.3	81.4	86.4	89.3	89.7	91.4	91.9	91.9	92.1	93.1	93.6	93.8
GE 1800	37.9	44.6	65.2	78.3	81.4	86.4	89.3	89.7	91.4	91.9	91.9	92.1	93.1	93.6	93.8
GE 1500	38.2	44.9	65.9	79.2	82.3	87.6	90.5	90.9	92.8	93.3	93.3	93.6	94.5	95.0	95.2
GE 1200	38.4	45.1	66.1	79.5	82.6	87.8	90.9	91.4	93.3	93.8	94.0	94.3	95.2	95.7	95.9
GE 1000	38.4	45.1	66.1	79.5	82.6	87.8	90.9	91.4	93.6	94.0	94.3	94.5	95.5	95.9	96.2
GE 900	38.4	45.1	66.1	79.5	82.6	87.8	90.9	91.4	93.6	94.0	94.3	94.5	95.5	95.9	96.2
GE 800	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	93.8	94.3	94.5	94.7	95.9	96.4	96.7
GE 700	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	93.8	94.3	94.5	94.7	95.9	96.4	96.7
GE 600	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.0	94.5	94.7	95.0	96.2	96.7	96.9
GE 500	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.7	97.6	98.6
GE 400	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.7	97.6	98.6
GE 300	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	97.9	98.8
GE 200	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	98.3	99.5
GE 100	38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	98.3	99.8
GE 0	78.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	CE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.6	22.0	31.0	35.9	37.0	38.9	40.0	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 20000	21.4	24.9	35.3	41.0	42.1	44.2	45.5	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000	21.4	24.8	35.3	41.0	42.1	44.4	45.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 16000	21.4	24.9	35.3	41.0	42.1	44.4	45.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 14000	22.2	25.6	36.1	41.9	42.9	45.5	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 12000	24.1	27.6	38.7	44.4	45.5	48.1	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000	25.4	28.8	41.0	47.4	48.5	51.1	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000	25.6	29.1	41.7	48.5	49.5	52.1	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 8000	29.3	32.9	46.2	54.5	56.0	59.5	60.3	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000	30.8	34.4	46.3	58.3	60.3	63.7	65.4	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 6000	30.8	34.4	48.3	58.3	60.3	63.7	65.4	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 5000	31.2	34.8	49.1	59.2	61.1	64.5	66.2	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500	31.2	34.8	49.5	59.5	61.5	65.0	66.7	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4000	36.3	40.0	55.3	66.0	68.2	71.6	73.3	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500	41.0	45.3	61.1	71.4	73.7	77.1	78.8	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3000	47.6	52.1	68.5	79.7	82.5	87.0	89.1	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	49.8	54.5	71.2	82.3	85.0	90.0	92.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2200	50.2	54.9	71.5	82.7	85.5	90.4	92.9	93.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1800	50.6	55.3	72.0	83.1	85.9	90.8	93.4	94.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	50.9	56.0	72.9	84.0	86.8	91.7	94.2	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	51.1	56.2	73.1	84.4	87.4	92.5	95.3	95.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	51.3	56.4	73.3	84.6	87.6	92.7	95.7	96.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	51.3	56.4	73.3	84.6	87.5	92.7	95.7	96.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	51.3	56.4	73.3	84.8	87.5	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 700	51.3	56.4	73.3	84.8	87.5	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 600	51.3	56.4	73.3	84.9	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 500	51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 400	51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 300	51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 200	51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 100	51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7
GE 0	51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	98.1	98.3	98.5	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 468

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	22.8	24.9	32.1	36.7	36.9	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 20000	27.8	29.9	37.7	42.7	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 18000	27.6	29.9	37.7	42.7	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 16000	27.8	29.9	37.7	42.7	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 14000	28.0	30.2	38.3	43.0	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000	28.6	30.8	38.6	43.6	43.6	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 10000	30.2	32.5	41.0	46.2	46.4	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 9000	31.0	33.4	42.1	47.3	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 8000	36.4	39.0	49.5	54.9	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 7000	38.6	41.4	52.5	58.6	59.0	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 6000	38.8	41.6	52.7	59.0	59.4	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 5000	40.3	43.2	54.4	60.7	61.2	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	41.2	44.3	55.7	62.0	62.5	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 4000	47.5	50.5	62.5	68.8	69.2	69.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	56.2	59.2	72.2	78.5	79.0	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3000	64.6	67.9	82.0	88.9	89.6	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	68.1	71.4	85.7	92.8	93.5	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	68.8	72.2	85.5	93.7	94.4	95.7	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	69.2	72.7	87.3	94.1	94.8	96.1	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	69.4	72.9	87.5	94.8	95.7	97.0	97.8	98.0	98.5	99.5	98.5	99.5	98.5	98.5	98.5	98.5
GE 1200	69.8	73.3	88.3	95.4	96.3	97.6	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	69.8	73.3	88.3	95.4	96.3	97.6	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	69.8	73.3	88.3	95.4	96.3	97.5	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 461

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	31.1	32.9	38.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	35.6	37.5	43.5	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 18000	36.0	37.8	43.8	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 16000	36.0	37.8	43.8	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 14000	36.0	37.8	43.8	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 12000	37.5	39.3	45.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000	39.3	41.7	47.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 9000	41.4	43.8	49.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 8000	46.5	49.5	57.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 7000	48.6	51.7	61.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 6000	48.6	51.7	61.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 5000	49.5	52.6	62.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4500	50.8	53.6	63.7	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 4000	57.4	60.4	71.6	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500	65.0	58.0	79.5	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3000	74.6	78.5	90.5	93.1	93.1	93.4	93.4	93.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	77.6	81.9	94.5	97.6	97.6	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	78.2	82.5	95.2	98.2	98.2	98.8	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	78.2	92.5	95.2	98.2	98.2	98.8	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	78.2	92.5	95.5	98.5	98.5	99.1	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.2	92.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 331

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.4	24.2	32.5	37.3	37.9	39.0	39.5	39.5	39.8	40.0	40.0	40.0	40.0	40.1	40.3	40.3
GE 200001	24.8	27.7	37.2	42.5	43.1	44.3	45.0	45.1	45.4	45.6	45.6	45.6	45.6	45.8	45.9	46.0
GE 180001	24.8	27.8	37.3	42.6	43.2	44.4	45.1	45.3	45.6	45.7	45.7	45.7	45.7	45.9	46.0	46.1
GE 160001	24.8	27.8	37.3	42.6	43.2	44.4	45.1	45.3	45.6	45.7	45.7	45.7	45.7	45.9	46.0	46.1
GE 140001	25.2	28.2	37.7	43.0	43.6	44.9	45.6	45.7	46.0	46.2	46.2	46.2	46.4	46.5	46.6	46.6
GE 120001	26.4	29.4	39.1	44.4	45.0	45.3	47.1	47.2	47.5	47.6	47.6	47.6	47.6	47.9	48.0	48.1
GE 100001	27.9	31.1	41.5	47.1	47.7	49.1	49.8	49.9	50.2	50.3	50.3	50.3	50.4	50.6	50.7	50.8
GE 90001	28.8	32.0	42.5	48.4	49.0	50.3	51.1	51.2	51.5	51.6	51.6	51.6	51.7	51.9	52.1	52.1
GE 80001	33.0	36.7	48.5	55.1	55.9	57.4	58.1	58.2	58.5	58.7	58.7	58.7	59.0	59.1	59.1	59.1
GE 70001	34.6	38.6	51.4	58.7	59.7	61.5	62.5	62.7	63.1	63.3	63.3	63.3	63.5	63.7	63.7	63.7
GE 60001	34.8	38.7	51.5	58.8	59.9	61.6	62.7	62.8	63.3	63.4	63.4	63.4	63.7	63.8	63.8	63.8
GE 50001	35.6	39.4	52.5	60.2	61.2	63.0	64.1	64.2	64.7	64.8	64.8	64.9	65.1	65.2	65.3	65.3
GE 45001	36.2	40.1	53.5	61.2	62.3	64.1	65.2	65.3	65.8	65.9	65.9	66.0	66.2	66.3	66.4	66.4
GE 40001	41.6	45.6	60.2	68.1	69.2	71.1	72.1	72.2	72.7	72.8	72.8	72.9	73.1	73.3	73.3	73.3
GE 35001	47.6	51.7	66.8	74.8	76.2	78.1	79.3	79.5	79.9	80.0	80.0	80.1	80.3	80.5	80.5	80.5
GE 30001	54.6	59.0	74.9	83.6	85.2	87.8	89.2	89.5	90.2	90.3	90.3	90.4	90.6	90.7	90.8	90.8
GE 25001	57.0	61.6	77.7	86.7	88.4	91.5	93.1	93.4	94.2	94.3	94.3	94.3	94.6	94.7	94.8	94.8
GE 20001	57.8	62.5	78.7	87.7	89.4	92.5	94.2	94.5	95.4	95.5	95.5	95.7	95.9	96.1	96.1	96.1
GE 18001	58.0	62.8	79.0	87.9	89.6	92.7	94.4	94.8	95.7	95.8	95.8	95.9	96.2	96.4	96.4	96.4
GE 15001	58.2	63.1	79.6	88.6	90.4	93.6	95.2	95.7	96.7	96.8	96.8	96.9	97.2	97.3	97.3	97.4
GE 12001	58.4	53.3	80.0	89.0	90.9	94.1	95.9	96.4	97.4	97.5	97.6	97.7	98.0	98.1	98.2	98.2
GE 10001	58.5	53.4	80.0	89.1	90.9	94.2	96.0	96.5	97.6	97.7	97.7	97.7	98.2	98.3	98.3	98.3
GE 9001	58.5	53.4	80.0	89.1	90.9	94.2	96.0	96.5	97.6	97.7	97.8	97.9	98.2	98.3	98.4	98.4
GE 8001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	97.9	98.0	98.2	98.3	98.6	98.7	98.8	98.8
GE 7001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	97.9	98.0	98.2	98.3	98.6	98.7	98.8	98.8
GE 6001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	97.9	98.1	98.2	98.3	98.7	98.9	98.9	98.9
GE 5001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	98.9	99.2	99.4	99.4
GE 4001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.0	99.3	99.5	99.5
GE 3001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.0	99.3	99.6	99.6
GE 2001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.1	99.5	99.9	99.9
GE 1001	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.1	99.5	99.9	99.9
GE 01	58.5	53.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.1	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 1679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.7	10.2	12.3	16.3	16.6	17.1	17.1	17.3	19.4	19.9	19.9	19.9	19.9	20.7	20.9	21.2
GE 20000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	22.7	24.0	24.5	24.7
GE 18000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	22.7	24.0	24.5	24.7
GE 16000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	22.7	24.0	24.5	24.7
GE 14000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	22.7	24.0	24.5	24.7
GE 12000	10.7	12.8	15.3	19.1	19.4	20.2	20.2	20.4	23.0	23.7	23.7	23.7	23.7	25.0	25.5	25.8
GE 10000	11.5	13.8	16.9	21.7	21.9	22.7	22.7	23.0	25.5	26.3	26.5	26.5	27.8	28.3	28.6	
GE 9000	11.7	14.0	17.1	22.2	22.4	23.2	23.2	23.5	26.0	26.8	27.0	27.0	28.3	28.6	29.6	
GE 8000	13.3	16.1	21.7	27.8	28.8	30.6	31.1	31.4	33.9	34.7	34.9	35.2	36.5	37.0	37.8	
GE 7000	14.0	17.3	23.7	30.4	31.4	33.2	33.7	33.9	36.5	37.2	37.5	37.8	39.0	39.5	40.3	
GE 6000	14.3	17.6	24.2	30.9	31.9	33.7	34.2	34.4	37.2	38.0	38.3	38.5	39.8	40.3	41.1	
GE 5000	15.6	18.9	25.9	32.9	33.9	35.7	36.2	36.5	39.5	40.3	40.6	40.8	42.1	42.6	43.4	
GE 4500	16.1	19.6	26.3	34.2	35.2	37.0	37.5	37.8	40.8	41.6	41.8	42.1	43.4	43.9	44.6	
GE 4000	16.6	20.9	29.8	38.5	40.1	42.3	42.9	43.4	47.2	48.0	48.2	48.5	49.7	50.3	51.0	
GE 3500	18.9	24.2	35.5	44.9	46.7	49.5	50.0	50.5	54.3	55.1	55.4	55.6	56.9	57.4	58.4	
GE 3000	24.0	29.6	42.1	52.6	54.8	58.7	60.7	61.7	65.8	66.6	66.8	67.1	68.4	68.9	69.9	
GE 2500	26.3	32.7	45.2	56.1	58.7	63.0	65.3	66.3	71.4	72.2	72.7	73.2	74.5	75.0	76.0	
GE 2000	26.5	33.4	46.4	57.9	60.5	65.1	67.9	68.9	75.0	76.0	76.5	77.0	78.3	78.8	79.8	
GE 1800	26.8	33.7	46.7	58.7	61.5	66.1	68.9	69.9	76.0	77.0	77.6	78.1	79.3	79.8	80.9	
GE 1500	27.3	34.2	47.4	59.2	62.0	66.6	69.4	70.4	77.6	78.6	79.3	79.8	81.6	82.1	83.2	
GE 1200	27.6	34.4	48.2	59.9	62.8	67.9	71.2	72.2	79.3	80.4	81.1	81.6	83.4	83.9	84.9	
GE 1000	27.6	34.4	48.7	60.5	63.3	68.6	72.7	74.0	82.1	83.2	83.9	84.4	86.2	86.7	87.8	
GE 900	27.6	34.4	48.7	60.5	63.3	68.6	72.7	74.0	82.1	83.2	83.9	84.4	86.2	86.7	87.8	
GE 800	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.2	82.9	84.2	84.9	85.7	87.8	88.3	89.3	
GE 700	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.2	82.9	84.2	84.9	85.7	87.8	88.3	89.3	
GE 600	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.2	82.9	84.4	85.2	86.0	88.0	88.5	89.5	
GE 500	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	84.7	85.5	86.5	88.5	89.0	90.3	
GE 400	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.5	83.2	85.2	86.5	87.8	90.1	91.1	93.4	
GE 300	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.6	92.1	95.7	
GE 200	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.8	92.6	97.7	
GE 100	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.8	92.9	99.7	
GE 0	27.6	34.4	49.3	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.8	93.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																	
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0		
NO CEIL	9.8	11.6	15.5	19.6	20.1	21.8	22.9	23.4	23.9	23.9	23.9	23.9	23.9	24.1	24.1	24.3		
GE 20000	11.8	13.7	18.2	23.4	23.9	25.6	27.0	27.7	28.2	28.2	28.2	28.2	28.3	28.3	28.5	28.5		
GE 18000	11.8	13.7	18.5	23.8	24.3	26.3	27.3	28.0	28.5	28.5	28.5	28.5	28.5	28.7	28.7	28.8		
GE 16000	11.8	13.7	18.5	23.8	24.3	26.0	27.3	28.0	28.5	28.5	28.5	28.5	28.5	28.7	28.7	28.8		
GE 14000	11.8	13.7	18.5	23.9	24.5	26.3	27.7	28.3	29.0	29.0	29.0	29.0	29.2	29.2	29.3	29.3		
GE 12000	12.6	14.7	19.7	25.5	26.1	27.9	29.2	30.0	30.7	30.7	30.7	30.7	30.9	30.9	31.0	31.0		
GE 10000	14.3	16.4	22.3	28.2	28.8	30.5	32.2	33.2	33.9	33.9	33.9	33.9	34.1	34.1	34.2	34.2		
GE 9000	15.0	17.0	23.3	29.7	30.4	32.0	33.7	34.7	35.4	35.4	35.4	35.4	35.6	35.6	35.8	35.8		
GE 8000	17.7	20.2	27.3	35.9	36.8	38.6	40.6	41.8	42.5	42.7	42.8	42.8	43.0	43.0	43.2	43.2		
GE 7000	18.9	21.6	29.8	39.0	40.0	41.8	43.8	45.2	45.9	46.0	46.2	46.2	46.4	46.4	46.6	46.6		
GE 6000	18.9	21.6	29.8	39.3	40.3	42.2	44.2	45.5	46.2	46.4	46.5	46.5	46.7	46.7	46.9	46.9		
GE 5000	19.9	22.8	31.0	40.6	41.8	43.7	46.4	47.7	48.6	48.7	48.9	48.9	49.1	49.1	49.2	49.2		
GE 4500	20.4	23.4	31.9	42.0	43.2	45.0	47.7	49.1	49.9	50.1	50.3	50.3	50.4	50.4	50.6	50.6		
GE 4000	20.9	24.6	33.5	45.4	46.7	48.6	51.6	53.1	54.1	54.3	54.6	54.6	54.8	54.8	55.0	55.0		
GE 3500	23.3	28.0	38.4	51.3	53.1	55.1	58.2	59.7	60.7	60.9	61.2	61.2	61.4	61.4	61.6	61.6		
GE 3000	30.4	35.9	47.9	62.2	64.2	67.3	71.5	73.7	75.0	75.2	75.5	75.5	75.7	75.7	75.9	75.9		
GE 2500	31.9	38.1	50.3	65.8	67.8	71.0	75.5	77.7	79.8	79.9	80.3	80.4	80.6	80.6	80.8	80.8		
GE 2000	32.4	39.1	51.4	67.1	69.1	72.5	77.4	79.8	82.0	82.1	82.5	82.6	82.8	82.8	83.0	83.0		
GE 1800	32.7	39.6	51.9	67.6	69.6	73.0	77.9	80.3	82.5	82.6	83.0	83.1	83.3	83.3	83.5	83.5		
GE 1500	33.4	40.5	53.0	69.0	71.0	74.5	79.8	82.1	84.3	84.5	84.8	85.0	85.2	85.2	85.3	85.3		
GE 1200	33.9	41.1	54.1	70.2	72.3	75.9	81.8	84.1	87.2	87.5	87.9	88.2	88.4	88.4	88.5	88.5		
GE 1000	33.9	41.1	54.1	70.3	72.5	76.4	83.8	86.3	90.1	90.4	90.9	91.2	91.6	91.6	91.7	91.7		
GE 900	34.1	41.3	54.3	70.5	72.7	76.6	84.0	86.5	90.2	90.6	91.1	91.4	91.7	91.7	91.9	91.9		
GE 800	34.2	41.7	55.0	71.2	73.4	77.4	84.8	87.4	91.6	92.1	92.6	92.9	93.3	93.3	93.4	93.4		
GE 700	34.2	41.7	55.0	71.2	73.4	77.4	85.0	87.9	92.1	92.6	93.1	93.4	93.8	93.8	93.9	93.9		
GE 600	34.2	41.7	55.0	71.2	73.4	77.6	85.2	88.0	92.2	92.7	93.3	93.6	93.9	93.9	94.1	94.1		
GE 500	34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	92.7	93.3	93.8	94.4	94.8	94.8	95.1	95.1		
GE 400	34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	92.9	93.6	94.1	94.8	95.8	96.5	97.0	97.0		
GE 300	34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.3	97.1	98.8	98.8		
GE 200	34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.5	97.5	99.5	99.5		
GE 100	34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.5	97.5	99.7	99.7		
GE 0	34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.8	97.8	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS: 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH RAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																	
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0		
NO CEIL	13.8	16.9	21.9	27.4	27.9	28.5	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	
GE 20000	16.9	20.2	26.7	32.6	33.2	33.8	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	
GE 18000	16.9	20.2	25.7	32.6	33.3	34.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	
GE 16000	16.9	20.2	25.7	32.6	33.3	34.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	
GE 14000	17.3	20.5	27.2	33.2	33.6	34.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	
GE 12000	17.6	20.9	27.7	33.8	34.5	35.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	
GE 10000	18.6	22.4	29.4	36.4	37.1	37.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	
GE 9000	19.0	22.6	30.3	37.4	38.1	38.8	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	
GE 8000	23.4	27.4	36.5	44.8	45.5	46.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 7000	24.8	28.9	38.3	46.7	47.4	48.0	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
GE 6000	24.8	28.9	39.3	46.7	47.4	48.0	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	
GE 5000	25.6	29.7	39.3	48.2	48.9	49.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 4500	36.5	30.6	40.2	49.1	49.7	50.4	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	
GE 4000	38.7	33.3	43.4	53.7	54.4	55.2	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
GE 3500	34.7	39.5	52.9	62.1	62.9	63.9	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	
GE 3000	44.6	50.3	63.2	77.4	76.6	80.0	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 2500	46.7	52.5	66.0	83.7	81.9	83.4	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
GE 2100	47.9	54.2	68.0	84.1	85.6	87.2	89.7	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
GE 1800	48.5	54.9	69.1	65.3	66.5	68.4	90.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	
GE 1500	49.6	55.9	70.4	87.2	88.9	90.4	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
GE 1200	50.1	56.6	71.3	68.2	89.5	91.6	94.7	95.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 1000	50.1	56.6	71.5	68.5	90.3	92.1	95.6	95.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 900	50.1	56.6	71.5	68.5	90.4	92.3	95.7	96.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 800	50.1	56.6	71.5	68.9	90.8	93.2	96.6	96.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 700	50.1	56.6	71.5	68.9	92.9	93.7	97.1	97.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 600	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	50.1	56.6	71.5	69.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 535

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-R7
MONTH: OCT HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.7	24.4	28.3	32.8	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 20000	26.3	29.0	34.2	39.6	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000	26.7	29.4	34.5	40.0	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000	26.9	29.6	34.8	40.1	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	27.1	29.7	34.9	40.3	41.0	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 12000	27.4	30.1	35.7	41.0	41.9	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 10000	29.2	31.9	38.2	44.4	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000	29.4	32.1	38.4	44.8	45.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000	32.6	35.7	43.7	51.1	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 7000	33.7	36.7	45.0	53.0	53.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 6000	33.7	36.7	45.0	53.4	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 5000	34.6	37.8	46.6	55.4	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 4500	35.8	39.2	48.2	57.0	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 4000	39.2	43.0	53.4	62.4	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 3500	45.7	50.5	61.3	70.6	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3000	52.2	57.5	69.2	79.6	80.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2500	55.2	60.8	72.4	83.3	84.1	85.5	85.8	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	57.5	63.3	75.1	88.0	89.1	90.5	90.9	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800	57.7	63.4	75.3	88.2	89.2	90.7	91.0	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500	59.3	65.4	78.3	91.2	92.3	93.7	94.1	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1200	60.4	66.5	79.4	92.7	93.7	95.5	96.2	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	60.4	66.5	79.4	92.8	93.9	96.1	96.8	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	60.6	66.7	79.6	93.0	94.1	96.2	97.0	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	60.6	66.7	79.5	93.0	94.1	96.2	97.1	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	60.6	66.7	79.5	93.0	94.1	96.2	97.3	98.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	60.6	66.7	79.5	93.0	94.1	96.2	97.3	98.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	60.6	66.7	79.5	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	60.6	66.7	79.5	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	60.6	66.7	79.5	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-97
MONTH: OCT HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.8	16.2	20.1	24.6	25.1	25.9	26.4	26.6	27.1	27.2	27.2	27.2	27.2	27.4	27.4	27.5
GE 20000	16.8	19.2	24.1	29.3	29.8	30.8	31.4	31.6	32.2	32.3	32.3	32.3	32.6	32.7	32.8	32.8
GE 18000	16.9	19.3	24.2	29.5	30.0	31.0	31.6	31.9	32.4	32.6	32.6	32.6	32.8	32.9	33.0	33.0
GE 16000	16.9	19.3	24.3	29.5	30.1	31.1	31.7	31.9	32.5	32.6	32.6	32.6	32.9	33.0	33.1	33.1
GE 14000	17.1	19.5	24.5	29.7	30.4	31.3	32.0	32.3	32.9	33.0	33.0	33.0	33.3	33.4	33.5	33.5
GE 12000	17.5	20.1	25.3	30.7	31.3	32.3	32.9	33.3	33.9	34.1	34.1	34.1	34.4	34.4	34.5	34.5
GE 10000	18.9	21.6	27.4	33.5	34.1	35.1	35.9	36.3	36.9	37.1	37.1	37.1	37.4	37.5	37.6	37.6
GE 9000	19.3	21.9	28.0	34.4	35.0	36.0	36.8	37.2	37.8	38.0	38.0	38.0	38.3	38.4	38.6	38.6
GE 8000	22.4	25.5	33.2	40.8	41.5	42.9	43.8	44.3	45.0	45.2	45.3	45.3	45.6	45.7	45.9	45.9
GE 7000	23.5	26.8	35.0	43.2	44.0	45.3	46.2	46.8	47.4	47.6	47.7	47.7	48.0	48.1	48.3	48.3
GE 6000	23.5	26.8	35.1	43.5	44.3	45.5	46.6	47.1	47.8	48.0	48.1	48.1	48.4	48.5	48.7	48.7
GE 5000	24.5	27.9	36.4	45.2	46.1	47.3	48.5	49.0	49.8	50.0	50.1	50.1	50.4	50.5	50.7	50.7
GE 4500	25.3	28.9	37.5	46.4	47.3	48.5	49.8	50.3	51.1	51.3	51.4	51.4	51.7	51.8	52.0	52.0
GE 4000	27.1	31.2	40.9	50.8	51.9	53.2	54.6	55.2	56.2	56.3	56.5	56.5	56.8	56.9	57.1	57.1
GE 3500	31.5	36.5	47.3	58.1	59.4	61.0	62.5	63.1	64.1	64.2	64.4	64.4	64.7	64.8	65.0	65.0
GE 3000	38.9	44.4	56.6	69.2	70.7	72.9	75.2	76.2	77.4	77.6	77.7	77.8	78.1	78.1	78.4	78.4
GE 2500	41.0	47.0	59.4	72.7	74.2	76.7	79.2	80.2	81.9	82.0	82.2	82.4	82.7	82.8	83.0	83.0
GE 2000	42.2	48.5	61.3	75.6	77.3	79.9	82.6	83.6	85.5	85.7	85.9	86.0	86.3	86.4	86.7	86.7
GE 1800	42.5	49.0	61.8	76.2	78.0	80.6	83.3	84.3	86.2	86.4	86.6	86.7	87.0	87.1	87.4	87.4
GE 1500	43.5	50.1	63.4	78.0	79.8	82.5	85.2	86.3	88.4	88.7	88.9	89.1	89.4	89.5	89.8	89.8
GE 1200	44.1	50.9	64.4	79.1	81.0	83.9	87.2	88.3	90.9	91.2	91.4	91.6	92.0	92.1	92.3	92.3
GE 1000	44.1	50.8	64.5	79.4	81.3	84.4	88.4	89.6	92.7	93.0	93.2	93.5	93.9	94.0	94.2	94.2
GE 900	44.2	50.9	64.5	79.5	81.4	84.6	88.5	89.8	92.9	93.2	93.5	93.7	94.1	94.2	94.5	94.5
GE 800	44.3	51.0	64.9	79.8	81.5	85.1	89.1	90.3	93.8	94.1	94.4	94.7	95.2	95.3	95.5	95.5
GE 700	44.3	51.0	64.9	79.9	81.8	85.2	89.3	90.6	94.3	94.7	95.0	95.3	95.8	95.9	96.1	96.1
GE 600	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.7	94.5	95.0	95.3	95.6	96.1	96.1	96.4	96.4
GE 500	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.8	95.2	95.5	96.0	96.4	96.5	96.9	96.9
GE 400	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.8	95.4	95.8	96.3	97.0	97.4	97.9	97.9
GE 300	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.2	97.7	98.9	98.9
GE 200	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.3	97.9	99.4	99.4
GE 100	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.3	98.0	99.9	99.9
GE 0	44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.4	98.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2128

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	10.4	12.1	16.5	18.2	16.2	18.8	19.4	19.7	20.2	20.2	20.2	20.2	20.5	20.8	20.8	
GE 20000	11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 18000	11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 16000	11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 14000	11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 12000	11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 10000	11.8	13.9	18.8	21.1	21.1	22.0	22.5	22.8	23.4	23.4	23.4	23.4	23.7	24.3	24.3	
GE 9000	11.8	13.9	19.1	21.4	21.4	22.3	22.8	23.1	23.7	24.0	24.0	24.0	24.6	25.1	25.1	
GE 8000	14.2	16.2	23.1	26.9	26.9	29.6	29.2	29.5	30.1	30.3	30.3	30.3	30.6	31.5	31.5	
GE 7000	15.3	17.3	24.3	28.6	28.6	30.3	30.9	31.2	32.4	32.7	32.7	32.7	32.9	33.8	33.8	
GE 6000	15.3	17.3	24.3	28.6	28.6	30.3	30.9	31.2	32.4	32.7	32.7	32.7	33.2	33.8	33.8	
GE 5000	16.5	18.5	26.3	30.9	30.9	32.7	33.2	33.5	34.7	35.0	35.0	35.3	35.5	36.1	36.1	
GE 4500	16.8	19.1	26.9	31.5	31.5	33.2	34.4	34.7	35.8	36.1	36.1	36.4	36.7	37.3	37.3	
GE 4000	17.6	20.5	30.6	35.9	36.1	37.9	39.0	39.3	40.5	40.8	40.8	41.0	41.3	41.9	41.9	
GE 3500	17.9	21.4	32.7	38.2	38.4	40.5	41.6	41.9	43.4	43.6	43.6	43.9	44.2	44.8	44.8	
GE 3000	23.1	28.3	45.4	52.0	52.9	56.9	58.1	58.4	60.4	60.7	60.7	61.3	61.6	62.1	62.1	
GE 2500	25.4	31.5	48.3	56.1	57.2	62.7	64.2	64.5	66.5	67.1	67.1	67.6	67.9	68.5	68.5	
GE 2000	29.2	35.5	54.2	63.0	64.2	70.5	72.8	73.4	75.0	76.9	76.9	77.5	78.0	78.6	78.6	
GE 1800	29.8	36.1	55.2	64.2	65.3	72.3	74.6	75.1	77.7	78.6	78.6	79.2	79.8	80.3	80.3	
GE 1500	30.9	37.3	57.5	66.8	67.9	75.1	77.5	78.0	80.9	81.8	81.8	82.4	82.9	83.5	83.5	
GE 1200	30.9	37.3	57.8	67.1	68.2	76.3	78.6	79.2	82.1	83.2	83.2	83.8	84.4	85.0	85.0	
GE 1000	31.2	37.6	58.4	67.9	69.4	77.7	80.1	80.6	83.5	84.7	84.7	85.3	85.8	86.4	86.4	
GE 900	31.2	37.6	58.4	67.9	69.4	79.0	80.9	81.5	84.4	85.5	85.8	86.4	87.3	87.9	87.9	
GE 800	31.2	37.6	58.4	67.9	69.4	78.0	81.2	81.8	85.3	86.7	87.3	87.9	89.3	89.9	89.9	
GE 700	31.2	37.6	58.4	67.9	69.4	78.0	81.2	81.8	85.5	87.3	87.9	88.7	90.2	90.8	90.8	
GE 600	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	88.7	89.3	90.5	92.2	92.8	92.8	
GE 500	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.6	93.6	95.1	95.7	
GE 400	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.2	96.0	97.1	
GE 300	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	98.0	
GE 200	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	99.1	
GE 100	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	100.0	
GE 0	31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	12.6	13.4	15.7	17.2	17.2	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.2
GE 200J01	16.9	17.8	20.7	22.3	22.5	23.1	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.6
GE 180001	17.4	18.6	21.5	23.1	23.3	23.8	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.4
GE 160001	17.4	18.6	21.5	23.1	23.3	23.8	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.4
GE 140001	17.4	19.6	21.5	23.1	23.3	23.8	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.4
GE 120001	17.6	18.8	21.9	23.4	23.6	24.2	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.8
GE 100001	18.8	20.3	23.4	25.2	25.4	26.2	26.4	26.4	26.4	26.4	26.6	26.6	26.6	26.6	26.6	26.7
GE 90001	19.2	20.3	23.3	26.0	26.4	27.1	27.3	27.3	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.7
GE 80001	21.9	23.3	28.5	31.6	32.2	33.1	33.3	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.9
GE 70001	23.4	25.2	30.4	33.9	34.5	35.5	35.7	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.2
GE 60001	23.4	25.2	30.4	33.9	34.5	35.5	35.7	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.2
GE 50001	24.4	26.2	31.3	35.7	36.2	37.4	37.6	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.4
GE 45001	25.0	26.7	32.6	36.4	37.0	38.2	38.6	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.5
GE 40001	26.2	27.9	34.9	39.3	40.5	42.1	42.4	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.6
GE 35001	28.1	29.8	38.2	43.2	44.4	46.5	46.9	47.7	47.7	47.7	47.9	47.9	47.9	47.9	47.9	48.4
GE 30001	32.6	35.1	47.5	53.3	54.5	57.8	58.3	59.1	59.1	59.1	60.1	60.1	60.1	60.1	60.1	60.9
GE 25001	36.2	39.5	51.3	58.7	59.9	64.1	65.3	66.1	66.5	66.9	67.2	67.2	67.6	67.6	68.2	
GE 27001	39.9	43.6	57.0	64.9	66.3	71.7	74.4	75.4	76.0	76.4	76.7	76.7	77.1	77.1	77.9	
GE 18001	41.3	45.0	58.7	66.7	68.0	73.4	76.4	77.3	77.9	78.3	78.7	78.7	79.1	79.1	79.8	
GE 15001	41.9	45.5	59.5	67.6	69.2	74.6	77.7	78.7	79.3	79.7	80.0	80.0	80.4	80.4	81.2	
GE 12001	42.1	45.7	59.9	68.2	69.6	76.2	80.0	81.0	81.8	82.2	82.6	82.6	82.9	82.9	83.7	
GE 10001	42.1	45.7	59.9	68.2	69.8	76.4	80.4	81.6	82.9	83.3	83.7	83.9	84.5	84.5	85.7	
GE 9001	42.1	45.7	59.9	68.2	69.8	76.9	81.2	82.4	83.7	84.1	84.5	84.7	85.3	85.3	86.4	
GE 8001	42.1	45.7	59.9	68.2	69.8	76.9	81.8	83.1	85.1	85.7	86.2	86.4	87.2	87.2	88.6	
GE 7001	42.1	45.7	59.9	68.2	69.8	76.9	81.8	83.1	85.7	86.6	87.2	87.6	88.4	88.4	89.7	
GE 6001	42.1	45.7	59.9	68.2	69.8	76.9	81.8	83.5	87.4	88.4	89.0	89.5	90.5	90.7	92.1	
GE 5001	42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.1	90.7	91.3	92.6	93.0	95.2	
GE 4001	42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	94.8	95.2	98.1	
GE 3001	42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	98.8	
GE 2001	42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	99.6	
GE 1001	42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	100.0	
GE 01	42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	14.3	15.0	17.0	18.4	16.6	19.8	18.9	19.3	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7
GE 20000	15.6	16.4	19.3	20.9	21.1	21.3	21.7	22.1	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
GE 18000	17.0	17.8	20.7	22.3	22.5	22.7	23.0	23.4	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 16000	17.0	17.8	20.7	22.3	22.5	22.7	23.0	23.4	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 14000	17.4	18.2	21.1	22.7	22.9	23.0	23.4	23.8	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2
GE 12000	18.6	19.3	22.5	24.2	24.6	25.0	25.4	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 10000	21.1	21.9	25.2	27.1	27.3	27.5	27.9	28.3	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 9000	21.9	22.9	26.4	28.9	29.3	29.5	29.9	30.3	30.5	30.7	30.7	30.7	30.7	30.7	30.7	30.7
GE 8000	26.0	27.1	31.3	35.4	35.9	36.5	37.1	37.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 7000	27.5	28.7	33.0	37.9	38.5	39.1	39.6	40.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 6000	27.5	28.7	33.0	37.9	38.5	39.1	39.6	40.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 5000	27.9	29.1	33.6	38.5	39.1	39.6	40.2	40.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 4500	29.1	30.3	35.5	40.8	41.4	42.0	42.6	43.0	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 4000	30.7	31.8	38.1	43.9	44.5	45.5	46.1	46.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 3500	33.4	34.8	42.5	48.4	49.0	50.2	50.8	51.2	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 3000	40.8	42.2	51.0	58.0	58.6	60.4	61.7	62.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 2500	45.1	46.7	55.5	63.5	64.5	66.4	68.0	68.4	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 2000	47.8	52.1	60.9	69.3	70.7	73.6	76.2	77.0	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 1800	50.8	53.1	61.9	70.3	71.9	74.8	77.5	78.3	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1500	52.7	55.1	64.5	72.9	74.4	77.5	81.1	81.8	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1200	53.1	55.5	65.4	74.0	75.8	79.9	83.8	84.6	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1000	53.1	55.5	65.4	74.0	75.8	80.1	84.8	85.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 900	53.1	55.5	65.4	74.0	75.8	80.7	85.9	87.1	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 800	53.1	55.5	65.4	74.2	76.0	80.9	86.1	88.1	91.2	91.8	91.8	91.8	92.4	92.4	92.4	92.4
GE 700	53.1	55.5	65.4	74.2	76.0	80.9	86.1	88.5	92.4	93.0	93.0	93.6	93.6	93.6	93.6	93.6
GE 600	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.0	94.5	95.1	95.3	95.3	95.9	95.9	95.9	95.9
GE 500	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.2	95.5	96.1	96.3	96.3	96.9	97.3	97.3	97.3
GE 400	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.3	97.9	97.9	97.9
GE 300	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	98.0	98.0
GE 200	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	98.0	98.0
GE 100	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	98.0	98.0
GE 0	53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 512

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

>PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GF 40	GE 32	GE 24	GE 20	GE 16	GE 12	GT 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	15.3	15.9	19.3	21.4	21.8	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
GE 200001	18.5	19.6	22.3	25.8	26.2	27.0	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
GE 160001	19.4	20.4	23.5	26.6	27.0	27.8	28.0	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
GE 165001	19.4	20.4	23.6	26.6	27.0	27.8	28.0	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
GE 140001	19.6	20.5	23.3	26.8	27.2	28.0	28.2	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 120001	20.4	21.6	25.0	28.2	28.6	29.4	29.6	29.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
GE 100001	23.4	24.6	28.3	31.9	32.3	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 90001	24.0	25.2	28.5	32.9	33.3	34.1	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 80001	27.8	30.2	34.7	39.9	40.3	41.5	42.1	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 70001	28.4	30.8	35.9	41.5	41.9	43.5	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 60001	28.8	31.3	36.3	41.9	42.3	44.6	44.6	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 50001	29.6	72.1	37.1	42.7	43.1	44.8	45.4	45.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 45001	32.5	34.9	40.1	45.8	46.2	47.8	48.4	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 40001	36.3	39.1	45.2	51.6	52.2	53.8	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 35001	39.7	42.9	49.6	56.0	56.7	58.3	58.9	58.9	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 30001	44.6	47.9	55.5	62.5	63.3	65.3	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 25001	48.0	51.4	59.3	66.7	68.1	70.2	70.8	70.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 21001	52.2	55.6	63.5	72.2	73.6	77.6	78.6	79.2	79.8	80.2	80.4	80.4	80.4	80.4	80.4	80.4
GE 18001	52.6	56.3	64.5	73.2	74.8	78.8	79.8	80.4	81.0	81.5	81.7	81.7	81.7	81.7	81.7	81.7
GE 15001	54.6	58.5	66.7	75.4	77.2	81.5	82.5	83.1	83.9	84.3	84.5	84.5	84.5	84.5	84.5	84.5
GE 12001	54.8	58.7	68.1	76.9	78.6	83.3	85.1	85.7	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.5
GE 10001	54.8	58.7	68.1	77.2	79.4	84.1	86.9	87.5	89.1	89.5	90.1	90.1	90.1	90.1	90.1	90.1
GE 9001	54.8	58.7	69.1	77.4	79.6	84.5	87.5	88.3	90.1	90.5	91.1	91.1	91.1	91.1	91.1	91.1
GE 8001	54.8	58.7	68.3	77.8	80.0	84.9	88.3	89.7	92.7	93.1	93.8	94.0	94.0	94.0	94.0	94.0
GE 7001	54.8	58.7	68.3	77.8	80.0	84.9	88.5	89.9	92.9	93.3	94.0	94.2	94.2	94.2	94.2	94.2
GE 6001	54.8	58.7	68.3	77.8	80.0	84.9	89.3	91.1	94.4	94.8	96.0	96.2	96.6	96.6	96.6	96.6
GE 5001	54.8	58.7	68.3	77.8	80.0	84.9	89.3	91.1	95.2	95.6	96.8	97.0	97.4	97.4	97.4	97.4
GE 4001	54.8	58.7	68.3	77.9	80.0	84.0	89.3	91.1	95.6	96.0	97.4	97.6	98.0	98.0	98.0	98.0
GE 3001	54.8	58.7	68.3	77.8	80.0	84.9	89.3	91.1	95.6	96.2	97.6	99.0	98.4	98.6	98.8	98.8
GE 2001	54.8	58.7	68.3	77.8	80.0	84.9	89.3	91.1	95.6	96.2	97.6	98.0	98.4	98.6	99.8	99.8
GE 1001	54.8	58.7	68.3	77.8	80.0	84.9	89.3	91.1	95.6	96.2	97.6	98.0	98.4	98.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTHS: NOV HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 16C	GE 9C	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.4	14.3	17.1	18.8	19.0	19.5	19.7	19.9	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.3
GE 20000	16.0	17.1	20.5	22.5	22.7	23.3	23.6	23.7	24.0	24.0	24.1	24.1	24.2	24.2	24.3	
GE 18000	16.7	17.9	21.3	23.3	23.5	24.1	24.4	24.5	24.8	24.8	24.9	24.9	24.9	24.9	25.0	25.1
GE 16000	16.7	17.9	21.3	23.3	23.5	24.1	24.4	24.5	24.8	24.8	24.9	24.9	24.9	24.9	25.0	25.1
GE 14000	16.9	18.1	21.4	23.5	23.7	24.2	24.5	24.7	24.9	25.0	25.0	25.0	25.1	25.2	25.2	
GE 12000	17.5	18.7	22.2	24.4	24.6	25.1	25.5	25.6	25.8	25.9	25.9	25.9	26.0	26.1	26.1	
GE 10000	19.4	20.6	24.3	26.7	27.0	27.6	27.9	28.1	28.3	28.3	28.4	28.4	28.4	28.4	28.4	
GE 9000	19.8	21.1	24.9	27.8	28.1	28.7	29.0	29.2	29.4	29.5	29.6	29.6	29.7	29.8	29.8	
GE 8000	23.2	24.9	29.3	34.0	34.4	35.5	35.9	36.1	36.6	36.7	36.8	36.8	36.9	37.0	37.1	
GE 7000	24.4	26.2	31.4	36.0	36.5	37.6	38.1	38.3	38.9	39.0	39.1	39.1	39.2	39.3	39.4	
GE 6000	24.5	26.3	31.5	36.1	36.6	37.5	38.2	38.4	39.0	39.1	39.2	39.3	39.3	39.4	39.5	
GE 5000	25.3	27.1	32.7	37.4	37.9	39.1	39.6	39.8	40.4	40.5	40.6	40.6	40.7	40.8	40.9	
GE 4500	26.6	28.4	34.3	39.2	39.6	40.9	41.5	41.8	42.4	42.5	42.6	42.6	42.7	42.8	42.8	
GE 4000	26.5	30.6	37.7	43.2	43.9	45.3	46.0	46.4	47.0	47.1	47.1	47.2	47.2	47.3	47.4	
GE 3500	30.7	33.1	41.4	47.1	47.8	49.5	50.2	50.5	51.2	51.3	51.4	51.4	51.5	51.6	51.8	
GE 3000	36.3	39.1	50.2	56.8	57.7	60.3	61.2	61.6	62.5	62.7	62.8	62.9	63.0	63.2	63.3	
GE 2500	39.8	43.2	54.3	61.7	62.6	66.1	67.3	67.6	68.7	69.0	69.1	69.3	69.4	69.5	69.7	
GE 2000	43.9	47.6	59.3	67.7	69.1	73.6	75.7	76.5	77.8	78.2	78.4	78.5	78.7	78.8	79.0	
GE 1800	44.6	48.6	60.5	68.9	70.4	75.0	77.3	78.0	79.3	79.8	79.9	80.1	80.3	80.4	80.6	
GE 1500	46.2	50.1	62.4	71.0	72.5	77.3	79.8	80.6	82.0	82.5	82.6	82.7	82.9	83.0	83.3	
GE 1200	46.4	50.3	63.2	71.9	73.5	79.1	82.1	82.9	84.4	85.0	85.1	85.2	85.5	85.6	85.8	
GE 1000	46.5	50.3	63.3	72.1	73.9	79.7	83.3	84.1	86.1	86.7	87.0	87.1	87.4	87.5	87.8	
GE 900	46.5	50.3	63.3	72.2	74.0	80.2	84.1	85.1	87.2	87.8	88.1	88.2	88.6	88.7	89.0	
GE 800	46.5	50.3	63.4	72.4	74.1	80.3	84.6	86.0	88.8	89.5	89.9	90.2	90.8	91.0	91.3	
GE 700	46.5	50.3	63.4	72.4	74.1	80.3	84.7	86.1	89.4	90.3	90.7	91.0	91.7	91.8	92.2	
GE 600	46.5	50.3	63.4	72.4	74.1	80.3	85.1	87.1	91.0	92.0	92.6	93.0	93.9	94.2	94.5	
GE 500	46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	91.9	93.0	93.7	94.2	95.2	95.7	96.6	
GE 400	46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.3	94.2	95.0	96.2	96.8	98.1	
GE 300	46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	98.9	
GE 200	46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	99.7	
GE 100	46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	100.0	
GE 0	46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 1870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GT 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO C ETL I	9.7	12.9	15.3	19.5	20.5	21.6	21.8	22.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 20000	10.5	13.9	16.3	20.5	21.6	22.6	23.2	23.4	23.7	23.7	23.7	23.9	23.9	23.9	23.9	23.9
GE 18000	10.8	14.2	16.6	20.8	21.8	22.9	23.4	23.7	23.9	23.9	23.9	24.2	24.2	24.2	24.2	24.2
GE 16000	10.8	14.2	16.6	20.8	21.8	22.9	23.4	23.7	23.9	23.9	23.9	24.2	24.2	24.2	24.2	24.2
GE 14000	11.1	14.5	16.3	21.1	22.1	23.2	23.7	23.9	24.2	24.2	24.2	24.5	24.5	24.5	24.5	24.5
GE 12000	11.3	14.7	17.1	21.3	22.4	23.4	23.9	24.2	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7
GE 10000	11.6	15.3	17.6	22.1	23.2	24.2	24.7	25.0	25.3	25.3	25.3	25.5	25.5	25.5	25.5	25.5
GE 9000	11.8	15.5	17.9	22.4	23.4	24.5	25.0	25.3	25.5	25.5	25.5	25.8	25.8	25.8	25.8	25.8
GE 8000	14.2	19.2	22.4	27.6	29.7	31.1	32.1	32.4	32.6	32.6	32.6	32.9	32.9	32.9	32.9	32.9
GE 7000	14.5	19.5	22.5	28.4	30.5	32.4	33.7	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5
GE 6000	14.5	19.5	22.5	28.4	30.5	32.4	33.7	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5
GE 5000	15.0	20.0	23.2	29.2	31.3	33.2	34.7	35.0	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5
GE 4500	15.3	20.5	23.7	29.7	31.8	33.7	35.3	35.5	35.8	35.8	35.8	36.1	36.1	36.1	36.1	36.1
GE 4000	15.8	21.8	25.5	31.6	34.2	36.1	37.6	37.9	38.9	38.9	38.9	39.2	39.2	39.2	39.2	39.2
GE 3500	17.6	24.5	28.7	35.0	37.0	39.5	41.1	41.3	42.4	42.4	42.4	42.6	42.6	42.6	42.6	42.6
GE 3000	22.4	31.3	39.7	47.1	49.7	52.6	54.2	54.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8
GE 2500	26.3	36.3	46.8	55.5	56.4	61.3	63.7	63.9	65.0	65.0	65.0	65.3	65.3	65.3	65.3	65.3
GE 2000	30.5	41.6	54.7	66.1	69.5	75.0	78.7	78.9	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5
GE 1800	71.3	42.4	55.5	66.8	76.3	75.8	79.7	80.3	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.4
GE 1500	31.8	42.9	56.8	68.7	72.1	77.6	82.1	82.6	84.7	84.7	84.7	85.0	85.3	85.3	85.3	85.3
GE 1200	32.1	44.2	58.7	73.8	74.2	79.7	84.2	84.7	88.2	88.2	88.2	88.4	88.7	88.7	88.7	88.7
GE 1000	32.1	44.2	58.7	70.8	74.2	80.0	85.0	85.5	89.5	89.5	89.7	90.0	90.3	90.5	90.5	90.5
GE 900	32.1	44.2	59.7	70.8	74.2	80.0	85.0	85.5	89.5	89.5	89.7	90.0	90.3	90.5	90.5	90.5
GE 800	32.1	44.2	58.7	71.1	75.0	80.8	85.8	86.8	90.8	91.1	91.3	91.8	92.1	92.4	92.4	92.4
GE 700	32.1	44.2	58.7	71.1	75.0	81.1	86.6	87.6	92.4	92.6	92.9	93.4	93.7	93.9	93.9	93.9
GE 600	32.1	44.2	58.7	71.1	75.0	81.3	86.8	87.9	92.6	92.9	93.2	93.7	94.2	94.7	94.7	94.7
GE 500	32.1	44.2	58.7	71.1	75.0	81.8	87.9	88.9	93.7	94.2	94.5	95.3	96.6	97.1	97.1	97.1
GE 400	32.1	44.2	59.7	71.1	75.0	81.8	87.9	88.9	93.7	94.2	94.5	95.3	97.1	97.6	97.6	97.6
GE 300	32.1	44.2	58.7	71.1	75.0	81.6	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	98.9	98.9
GE 200	32.1	44.2	58.7	71.1	75.0	81.9	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	99.5	99.5
GE 100	32.1	44.2	58.7	71.1	75.0	81.8	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	100.0	100.0
GE 0	32.1	44.2	58.7	71.1	75.0	81.8	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 380

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.3	10.8	13.5	16.9	17.1	17.6	18.1	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	16.8
GE 20000	10.0	12.7	15.5	19.3	19.8	21.0	21.7	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.3
GE 18000	10.2	12.9	15.7	19.5	20.0	21.3	22.0	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.7
GE 16000	10.2	12.9	15.7	19.5	20.0	21.3	22.0	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.7
GE 14000	10.3	13.0	15.9	19.6	20.1	21.5	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	23.2
GE 12000	11.3	14.2	17.3	21.0	21.7	23.0	24.0	24.2	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.9
GE 10000	11.8	14.7	17.8	21.5	22.3	23.7	24.7	24.9	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.5
GE 9000	13.4	16.9	20.0	23.9	25.0	26.4	27.4	27.6	27.7	27.9	27.9	27.9	27.9	27.9	27.9	28.3
GE 8000	17.9	21.7	25.9	30.5	31.6	33.0	34.0	34.2	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.9
GE 7000	18.6	22.3	27.5	32.7	34.2	35.7	36.7	37.2	37.4	37.6	37.7	37.7	37.7	37.7	37.9	38.4
GE 6000	18.8	22.5	27.7	32.8	34.3	35.9	36.9	37.4	37.6	37.7	37.9	37.9	37.9	38.1	38.1	38.6
GE 5000	19.5	23.2	28.4	34.0	35.5	37.2	38.2	38.7	38.9	39.1	39.3	39.3	39.4	39.4	39.4	39.9
GE 4500	20.0	23.9	29.3	34.9	36.4	38.2	39.3	39.8	39.9	40.1	40.3	40.3	40.4	40.4	40.4	40.9
GE 4000	21.2	25.3	31.1	37.6	39.4	41.5	42.8	43.3	43.5	43.7	43.8	43.8	44.0	44.0	44.0	44.5
GE 3500	23.0	26.9	33.7	41.1	43.0	45.0	46.4	46.9	47.0	47.2	47.4	47.4	47.5	47.5	47.5	48.1
GE 3000	29.6	33.5	41.3	50.3	52.3	55.2	56.5	57.5	57.7	57.9	58.0	58.0	58.2	58.2	58.2	58.7
GE 2500	34.3	39.3	47.2	59.2	61.3	64.6	66.2	67.2	67.3	67.5	67.7	67.7	67.9	67.9	68.4	
GE 2000	39.3	44.2	52.1	64.6	66.7	71.2	72.9	74.3	75.0	75.1	75.3	75.3	75.5	75.5	76.0	
GE 1800	39.9	45.0	53.3	65.5	67.5	72.1	74.3	76.1	77.3	77.5	77.7	77.7	77.8	77.8	78.3	
GE 1500	41.1	46.4	54.9	67.7	70.2	75.1	77.3	79.4	80.5	80.7	80.9	81.0	81.2	81.2	81.7	
GE 1200	41.5	47.0	56.0	69.0	72.3	77.5	79.7	81.9	83.6	83.8	84.1	84.3	84.4	84.4	84.4	84.9
GE 1000	42.1	47.7	56.9	69.9	73.1	78.3	81.0	83.2	85.4	85.8	86.1	86.3	86.5	86.5	87.0	
GE 900	42.1	47.7	57.0	70.1	73.3	78.5	81.2	83.4	86.1	86.5	86.8	87.0	87.1	87.1	87.6	
GE 800	42.1	47.9	57.2	70.6	73.8	79.2	82.4	84.6	87.3	87.8	88.3	88.7	89.3	89.3	89.8	
GE 700	42.1	47.9	57.2	70.6	73.8	79.0	82.6	85.1	88.7	89.2	89.7	90.0	91.0	91.0	91.9	
GE 600	42.1	47.9	57.2	70.9	74.1	79.4	82.9	85.6	89.5	90.9	91.7	92.2	93.6	93.6	94.4	
GE 500	42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.2	91.5	92.7	93.2	94.8	94.8	95.6	
GE 400	42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.1	96.3	97.8	
GE 300	42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	99.5	
GE 200	42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	99.7	
GE 100	42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	99.7	
GE 0	42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 156265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 1200-1400

NO	CEIL	VISIBILITY IN HUNDREDS OF METERS																	
		IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE S	GE 4	GE 0	
GE 200001	10.6	10.6	13.6	16.3	17.9	18.1	18.8	19.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	
GE 180001	12.4	12.4	15.6	18.8	21.4	21.5	22.5	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	
GE 160001	12.6	12.6	15.8	18.9	21.6	21.9	22.7	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	
GE 140001	12.6	12.6	15.8	18.9	21.5	21.9	22.7	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	
GE 120001	12.9	12.9	16.1	19.3	21.9	22.3	23.0	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	
GE 100001	14.2	14.2	17.3	20.7	23.4	23.7	24.4	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	
GE 100001	15.0	15.0	18.4	21.7	24.8	25.1	25.8	26.5	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	
GE 90001	16.1	16.1	19.5	23.2	26.2	26.5	27.3	28.0	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	
GE 80001	19.6	19.6	23.0	28.1	31.9	32.2	33.6	34.3	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	
GE 70001	21.2	21.2	24.6	30.3	34.5	35.0	36.5	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	
GE 60001	21.8	21.8	25.3	30.8	35.0	35.6	37.5	38.2	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	
GE 50001	22.5	22.5	26.0	31.5	35.9	36.5	38.4	39.1	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	
GE 45001	22.5	22.5	26.0	31.5	35.9	36.5	36.9	39.6	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
GE 40001	24.1	24.1	27.6	34.5	39.6	41.2	43.0	43.7	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	
GE 35001	27.6	27.6	31.5	38.9	44.2	44.6	47.6	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
GE 30001	36.8	36.8	40.9	49.9	55.9	56.6	60.0	60.9	61.6	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 25001	41.8	41.8	47.6	56.5	63.9	64.6	68.0	69.0	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
GE 20001	45.3	45.3	51.3	60.5	69.4	70.3	74.2	75.6	76.5	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	
GE 18001	45.3	45.3	51.3	63.5	69.4	70.3	74.2	76.1	77.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	
GE 15001	47.4	47.4	53.6	63.3	72.9	74.2	78.2	80.2	81.4	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE 12001	48.1	48.1	54.3	63.7	74.3	76.1	80.2	82.3	83.5	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
GE 10001	48.5	48.5	54.7	64.2	74.9	76.6	81.1	83.9	85.1	88.1	88.5	88.8	89.8	89.0	89.2	89.4	89.6	89.8	
GE 9001	48.5	48.5	54.9	64.4	75.0	76.8	81.4	84.4	85.7	88.8	89.2	89.6	89.6	89.7	89.9	90.1	90.3	90.5	
GE 8001	48.5	48.5	54.9	64.4	75.2	77.0	81.6	85.1	86.4	90.1	90.6	91.2	91.2	91.3	91.5	91.7	91.9	92.1	
GE 7001	48.7	48.7	55.0	64.5	75.4	77.2	81.8	85.5	86.7	91.0	91.7	92.2	92.4	92.7	92.9	93.1	93.3	93.5	
GE 6001	48.7	48.7	55.0	64.5	75.6	77.5	82.1	85.8	87.1	91.7	92.6	93.1	93.3	93.6	93.8	94.0	94.2	94.4	
GE 5001	48.7	48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	93.3	94.2	94.3	95.4	95.6	95.8	95.8	95.8	
GE 4001	48.7	48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	93.8	94.9	95.2	96.6	96.8	97.0	97.2	97.4	
GE 3001	48.7	48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.2	98.8	99.3	99.8	99.8	
GE 2001	48.7	48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.4	99.3	99.8	99.8	99.8	
GE 1001	48.7	48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.4	99.3	99.8	99.8	99.8	
GE 51	48.7	48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.4	99.3	100.0			

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	12.3	14.6	17.5	19.3	19.8	20.0	20.2	20.4	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0
GE 20000	14.6	17.3	21.0	23.2	23.7	23.9	24.1	24.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 18000	15.2	17.9	21.5	23.7	24.3	24.5	24.7	24.9	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 16000	15.2	17.9	21.5	23.7	24.3	24.9	25.1	25.3	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7
GE 14000	16.0	18.7	22.4	24.5	25.1	25.7	25.9	26.1	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4
GE 12000	16.9	19.6	23.3	25.5	26.1	26.8	27.0	27.2	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6
GE 10000	17.3	20.2	24.1	26.5	27.0	27.8	28.0	28.2	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 9000	19.1	22.0	26.1	29.0	29.5	30.4	30.5	30.7	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 8000	22.0	25.1	29.2	33.1	33.7	35.2	35.6	36.0	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 7000	23.0	26.1	30.4	34.6	35.2	36.8	37.2	37.5	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 6000	23.3	26.5	33.7	35.0	35.6	37.4	37.7	38.1	39.9	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 5000	24.9	28.0	32.5	37.2	37.7	39.7	40.1	40.5	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 4500	24.9	28.4	32.9	37.5	36.1	40.1	40.9	41.2	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 4000	26.3	30.0	35.6	40.9	41.4	43.4	44.2	44.6	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 3500	28.8	33.1	38.7	44.4	44.9	46.9	47.7	48.1	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 3000	39.5	44.2	52.1	58.4	59.1	61.7	63.0	63.4	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.1
GE 2500	42.6	48.1	56.5	63.6	64.4	67.5	69.3	69.8	72.2	72.8	73.0	73.3	73.3	73.3	73.3	73.3
GE 2000	46.3	52.5	61.3	68.9	69.5	72.8	74.7	75.7	78.4	79.0	79.2	79.6	79.6	79.6	79.6	79.6
GE 1800	46.7	53.3	62.1	69.8	70.6	73.9	76.1	77.0	79.8	80.4	80.5	80.9	80.9	80.9	80.9	80.9
GE 1500	48.6	55.4	64.2	73.3	74.3	78.7	80.4	81.3	84.2	84.8	85.4	86.2	86.2	86.2	86.2	86.2
GE 1200	50.2	57.4	66.7	76.5	77.6	81.3	83.9	84.8	87.9	88.5	89.1	89.9	89.9	89.9	89.9	89.9
GE 1000	50.2	57.4	66.7	76.7	76.0	81.7	84.2	85.2	89.3	90.1	91.1	91.8	91.8	91.8	91.8	91.8
GE 900	50.2	57.4	66.7	76.8	78.2	82.3	85.2	86.4	90.5	91.2	92.2	93.0	93.0	93.0	93.0	93.0
GE 800	50.2	57.6	66.9	77.0	78.4	82.5	85.4	86.6	90.7	91.4	92.4	93.2	93.4	93.4	93.4	93.4
GE 700	50.2	57.6	66.9	77.0	78.4	82.7	85.6	86.8	91.6	92.4	93.4	94.2	94.4	94.4	94.4	94.4
GE 600	50.2	57.6	66.9	77.2	78.6	83.1	86.0	87.2	92.0	92.8	94.2	94.9	95.5	95.5	95.5	95.5
GE 500	50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.4	92.2	93.4	94.7	95.5	96.5	96.7	96.7	96.7
GE 400	50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.4	95.7	96.5	97.5	97.7	97.7	97.7
GE 300	50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.6	99.2	99.2
GE 200	50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.8	99.8	99.8
GE 100	50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.8	99.8	99.8
GE 0	50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 514

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.2	12.9	15.5	18.2	18.7	19.3	19.7	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.2
GE 20000	11.9	14.9	18.0	21.1	21.7	22.4	22.9	23.1	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.7
GE 18000	12.2	15.2	18.2	21.4	22.0	22.8	23.3	23.5	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0
GE 16000	12.2	15.2	18.2	21.4	22.0	22.9	23.4	23.6	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.1
GE 14000	12.6	15.6	18.6	21.8	22.3	23.3	23.9	24.1	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.7
GE 12000	13.5	16.5	19.7	22.8	23.5	24.4	25.1	25.3	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.9
GE 10000	14.0	17.2	20.5	23.8	24.4	25.4	26.0	26.2	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.9
GE 9000	15.3	18.6	22.0	25.5	26.3	27.3	27.9	28.1	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.8
GE 8000	18.7	22.4	26.7	31.0	32.0	33.4	34.1	34.4	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.1
GE 7000	19.7	23.4	28.1	32.9	34.0	35.6	36.4	36.7	37.3	37.5	37.5	37.6	37.6	37.7	37.7	37.9
GE 6000	20.0	23.7	28.4	33.2	34.3	36.0	36.9	37.2	37.8	38.0	38.0	38.0	38.1	38.1	38.1	38.3
GE 5000	20.8	24.6	29.3	34.4	35.6	37.4	38.3	38.6	39.2	39.4	39.4	39.5	39.5	39.6	39.6	39.8
GE 4500	21.0	25.0	29.8	34.9	36.0	38.0	39.0	39.4	40.0	40.1	40.1	40.2	40.2	40.3	40.3	40.5
GE 4000	22.2	26.4	32.1	37.9	39.2	41.4	42.4	42.8	43.6	43.7	43.8	43.8	43.9	43.9	44.1	
GE 3500	24.7	29.3	35.5	41.7	43.0	45.2	46.2	46.6	47.4	47.6	47.6	47.7	47.7	47.8	47.8	48.0
GE 3000	32.7	37.8	46.1	53.3	54.7	57.7	58.9	59.6	60.5	60.6	60.7	60.8	60.9	60.9	61.1	
GE 2500	37.0	43.2	52.1	60.9	62.4	65.7	67.3	68.0	68.9	69.1	69.3	69.4	69.6	69.6	69.8	
GE 2000	41.1	47.8	57.2	67.3	68.9	73.1	75.2	76.1	77.6	77.8	77.9	78.0	78.2	78.2	78.4	
GE 1800	41.5	48.3	57.3	67.9	69.6	73.8	76.2	77.4	79.1	79.3	79.5	79.6	79.8	79.8	80.0	
GE 1500	43.0	50.0	59.8	70.7	72.7	77.2	79.8	81.0	82.8	83.0	83.3	83.6	83.7	83.8	84.0	
GE 1200	43.8	51.1	61.3	72.7	75.0	79.6	82.3	83.6	86.0	86.2	86.5	86.8	87.0	87.0	87.2	
GE 1000	44.0	51.4	61.7	73.1	75.5	80.2	83.4	84.7	87.9	88.3	88.8	89.1	89.2	89.3	89.5	
GE 900	44.0	51.5	61.8	73.3	75.7	80.5	83.8	85.2	88.6	89.0	89.5	89.8	89.9	90.0	90.2	
GE 800	44.0	51.6	61.9	73.6	76.0	80.9	84.5	86.0	89.6	90.1	90.7	91.1	91.4	91.5	91.7	
GE 700	44.1	51.6	62.0	73.6	76.1	81.1	84.9	86.4	90.7	91.3	91.9	92.3	92.8	92.9	93.2	
GE 600	44.1	51.6	62.0	73.8	76.3	81.4	85.2	86.8	91.3	92.2	93.0	93.5	94.2	94.3	94.6	
GE 500	44.1	51.7	62.0	73.9	76.4	81.6	85.6	87.2	91.9	93.0	94.0	94.5	95.7	95.9	96.2	
GE 400	44.1	51.7	62.0	73.9	76.4	81.6	85.6	87.3	92.3	93.4	94.6	95.2	96.8	97.0	97.6	
GE 300	44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.7	98.2	99.3	
GE 200	44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.8	98.4	99.7	
GE 100	44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.8	98.4	99.8	
GE 0	44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.8	98.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.3	19.6	24.5	28.3	28.6	29.4	29.9	30.0	30.4	30.4	30.4	30.4	30.5	30.5	30.6	
GE 20000	21.1	23.8	29.5	33.7	34.1	35.1	35.7	35.8	35.2	36.3	36.3	36.3	36.4	36.5	36.5	
GE 18000	21.4	24.0	29.8	34.0	34.5	35.4	36.0	36.2	36.6	36.7	36.7	36.7	36.8	36.8	36.9	
GE 16000	21.4	24.1	29.9	34.1	34.5	35.4	36.1	36.2	36.6	36.7	36.7	36.7	36.8	36.9	36.9	
GE 14000	21.6	24.3	30.1	34.4	34.8	35.7	36.4	36.6	37.0	37.0	37.1	37.2	37.2	37.2	37.2	
GE 12000	22.4	25.1	31.1	35.4	35.8	36.8	37.5	37.7	38.1	38.1	38.2	38.2	38.3	38.3	38.4	
GE 10000	23.9	26.9	33.2	37.7	38.2	39.2	39.9	40.1	40.5	40.6	40.6	40.7	40.8	40.8	40.9	
GE 9000	25.1	28.1	34.7	39.3	39.8	40.9	41.6	41.8	42.3	42.3	42.4	42.4	42.5	42.6	42.6	
GE 8000	29.3	32.8	40.5	45.9	46.5	47.8	48.6	48.9	49.4	49.4	49.5	49.5	49.6	49.7	49.8	
GE 7000	31.1	34.7	42.9	48.9	49.5	50.9	51.8	52.1	52.6	52.7	52.8	52.8	53.0	53.0	53.1	
GE 6000	31.2	34.8	43.3	49.0	49.7	51.0	51.9	52.2	52.8	52.9	52.9	53.0	53.1	53.2	53.2	
GE 5000	32.3	36.0	44.5	50.7	51.4	52.7	53.7	53.9	54.6	54.6	54.7	54.8	54.9	54.9	55.0	
GE 4500	33.1	37.0	45.7	52.0	52.6	54.1	55.0	55.3	55.9	56.0	56.1	56.1	56.2	56.3	56.4	
GE 4000	36.3	40.6	50.3	56.9	57.6	59.1	60.1	60.4	61.1	61.2	61.3	61.3	61.5	61.5	61.6	
GE 3500	40.7	45.4	55.6	63.0	63.7	65.4	66.4	66.8	67.5	67.6	67.7	67.7	67.8	67.9	68.0	
GE 3000	48.2	53.6	65.4	73.7	74.6	76.7	78.1	78.5	79.4	79.5	79.6	79.6	79.8	79.8	79.9	
GE 2500	51.2	56.9	69.4	78.4	79.4	81.9	83.4	83.8	84.8	84.9	85.0	85.1	85.3	85.3	85.4	
GE 2000	53.6	59.7	72.9	82.6	83.7	86.6	88.4	89.0	90.2	90.4	90.5	90.6	90.8	90.8	90.9	
GE 1800	54.0	60.1	73.3	83.1	84.2	87.2	89.1	89.7	90.9	91.1	91.2	91.3	91.5	91.6	91.7	
GE 1500	54.7	61.0	74.5	84.6	85.8	88.9	91.0	91.6	93.0	93.2	93.4	93.5	93.7	93.8	93.9	
GE 1200	55.1	61.4	75.1	85.3	86.6	89.9	92.1	92.8	94.4	94.7	94.8	94.9	95.1	95.2	95.3	
GE 1000	55.2	61.6	75.3	85.6	86.9	90.3	92.7	93.8	95.2	95.5	95.7	95.9	96.1	96.2	96.3	
GE 900	55.2	61.6	75.4	85.7	87.0	90.4	92.9	93.6	95.5	95.8	95.9	96.1	96.4	96.4	96.5	
GE 800	55.2	61.6	75.4	85.8	87.1	90.6	93.1	93.9	95.9	96.3	96.5	96.7	97.0	97.1	97.2	
GE 700	55.3	61.6	75.4	85.8	87.1	90.6	93.2	94.1	96.2	96.6	96.8	97.0	97.4	97.4	97.6	
GE 600	55.3	61.6	75.4	85.8	87.1	90.7	93.3	94.2	96.5	96.9	97.2	97.4	97.8	97.9	98.0	
GE 500	55.3	61.6	75.4	85.8	87.1	93.7	93.4	94.3	96.7	97.1	97.4	97.7	98.2	98.3	98.5	
GE 400	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.7	97.2	97.6	97.9	98.6	98.7	99.1	
GE 300	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.0	99.4	
GE 200	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.0	99.8	
GE 100	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.0	99.9	
GE 0	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 24711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 79,82,85,87
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02
03-05
06-08	100.0	10.0	7
09-11	100.0	10.0	9
12-14
15-17	100.0	10.0	1
18-20
21-23
TOTALS	100.0	10.0	17

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78,85
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 84,86
MONTH: AUG

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH RAF GERMANY PERIOD OF RECORD: 78,83
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02
03-05
06-08
09-11	100.0	10.0	2
12-14	100.0	10.0	1
15-17	100.0	10.0	1
18-20
21-23
TOTALS	100.0	10.0	4

STATION NUMBER: 156265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 77-78
MONTH: DEC

MONTH: DEC

GLOBAL CLIMATOLOGY BRANCH
USAFTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-79, 82-87
MONTH: ALL

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	92.7	77.4	37.4	86.7	372
	09-11	100.0	100.0	100.0	100.0	100.0	98.9	97.0	55.0	27.0	83.8	565
	12-14	100.0	100.0	100.0	100.0	99.5	94.9	73.6	42.2	12.7	79.3	552
	15-17	100.0	100.0	100.0	100.0	99.4	93.3	70.2	40.4	9.9	77.3	537
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	100.0	99.7	96.7	80.9	56.3	21.8	81.5	2021

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	EEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	EEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEE

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STAND DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 DEGREE FAHRENHEIT VALUE.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS.

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY OBSERVATIONS.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
06-08	MEAN	31.7	30.6	35.9	43.5	51.5	58.7	61.4	59.7	53.9	47.5	40.1	36.6	47.6
06-08	SD	10.175	8.695	7.411	5.903	6.226	5.933	5.429	5.369	5.778	6.796	7.914	8.395	12.405
06-08	TOT OBS	372	364	412	575	558	569	504	570	419	394	346	380	5474
09-11	MEAN	32.5	32.6	42.1	49.5	57.0	64.5	67.6	66.8	59.7	50.8	41.8	37.3	50.3
09-11	SD	10.238	8.047	7.362	6.910	7.394	7.108	7.046	5.719	5.606	6.887	7.920	8.026	14.00
09-11	TOT OBS	560	543	512	620	605	611	544	611	468	596	516	591	6880
12-14	MEAN	75.2	36.3	45.4	54.4	61.5	68.3	72.4	72.1	65.7	55.9	45.1	39.7	54.4
12-14	SD	9.313	7.323	7.366	8.078	8.454	8.073	8.228	6.897	6.626	7.529	7.830	7.985	15.222
12-14	TOT OBS	552	541	613	601	581	589	530	595	461	587	512	565	6727
15-17	MEAN	35.9	37.7	47.7	55.9	63.1	69.7	73.8	73.3	66.9	57.3	45.5	40.2	54.0
15-17	SD	8.853	5.961	6.302	8.727	9.443	8.329	8.550	7.431	7.003	7.804	7.599	7.847	15.407
15-17	TOT OBS	537	533	587	435	421	419	383	425	331	558	496	514	5640
ALL	MEAN	34.0	34.6	44.2	50.5	57.9	65.0	68.5	67.6	61.3	53.3	43.4	38.6	51.7
ALL	SD	9.767	9.168	7.909	8.805	9.317	8.461	8.752	8.253	8.045	8.205	8.100	8.173	14.712
HOURS	TOT OBS	2021	1981	2224	2233	2175	2188	1961	2201	1679	2135	1870	2050	24721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

FOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
MEAN	30.4	29.4	37.0	40.6	49.0	54.5	57.2	56.3	51.3	45.7	38.6	35.1	45.0	
06-08 SD	9.471	8.274	6.904	5.385	5.569	5.228	4.705	4.735	5.369	6.406	7.309	7.656	11.295	
TOT OBS	372	364	412	576	558	569	504	570	419	394	346	380	5474	
MEAN	30.8	30.8	38.9	44.1	51.1	57.2	59.9	59.6	54.6	47.9	39.7	35.6	45.9	
39-11 SD	9.436	7.627	6.400	5.515	5.860	5.629	4.864	4.334	4.862	6.097	7.169	7.329	12.061	
TOT OBS	560	543	512	622	608	611	544	611	468	596	516	591	6880	
MEAN	32.8	33.3	41.4	46.5	53.1	58.5	61.6	61.4	57.4	50.7	42.0	37.2	48.0	
12-14 SD	8.460	5.840	5.955	5.789	6.051	5.760	4.995	4.462	5.223	5.973	6.891	7.102	11.846	
TOT OBS	552	541	613	601	581	589	530	595	461	587	512	565	6727	
MEAN	33.4	34.3	42.0	47.1	53.7	59.1	62.0	61.6	57.7	51.4	42.3	37.7	47.3	
15-17 SD	8.017	6.432	5.529	5.857	6.446	5.634	4.823	4.441	5.132	5.952	6.678	6.979	11.721	
TOT OBS	537	533	587	425	421	419	383	425	331	558	496	514	5640	
MEAN	32.0	32.2	43.0	44.4	51.3	57.2	60.1	59.6	55.2	49.2	40.8	36.5	46.6	
ALL SD	8.900	7.475	6.437	6.149	6.364	5.830	5.194	4.964	5.734	6.446	7.138	7.314	11.815	
FOURS TOT OBS	2021	1981	2224	2233	2178	2188	1961	2201	1679	2135	1870	2050	24721	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
06-08	MEAN	28.1	27.0	34.2	37.0	44.6	51.1	54.1	53.7	49.1	44.0	36.7	32.8	42.2
	SD	9.315	8.908	7.375	5.973	6.386	5.602	5.065	4.929	5.692	6.680	7.456	7.688	11.348
	TOT OBS	372	364	412	576	566	569	504	570	419	394	346	380	5474
09-11	MEAN	27.9	27.3	34.6	37.7	45.5	51.5	54.5	54.5	50.4	45.0	37.1	32.9	41.6
	SD	9.365	8.944	7.283	6.351	6.702	6.252	5.265	5.026	5.687	6.454	7.367	7.483	11.724
	TOT OBS	560	543	612	620	608	611	544	611	468	596	516	591	6880
12-14	MEAN	28.9	28.0	34.8	37.6	45.4	51.0	54.1	53.7	50.7	45.8	38.2	33.7	41.7
	SD	8.896	8.683	7.238	6.816	7.250	6.425	5.573	5.300	6.693	6.575	7.248	7.325	11.454
	TOT OBS	552	541	513	601	581	589	530	595	461	587	512	565	6727
15-17	MEAN	29.2	28.6	34.5	37.3	45.3	51.1	53.9	53.4	50.3	45.9	38.4	34.2	40.8
	SD	8.483	8.478	7.400	6.822	7.639	6.328	5.331	5.461	6.799	6.628	6.942	7.224	11.295
	TOT OBS	537	533	587	436	421	419	383	425	331	558	496	514	5640
ALL	MEAN	28.6	27.8	34.6	37.4	45.2	51.2	54.1	53.9	50.1	45.3	37.7	33.4	41.6
	SD	9.011	8.758	7.317	6.482	6.965	6.152	5.313	5.175	6.230	6.608	7.267	7.430	11.480
	TOT OBS	2021	1981	2224	2233	2175	2188	1961	2201	1679	2135	1870	2050	24721

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 76-87
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL OBS [NUM OBS]
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	98.9	92.3	80.2	42.3	87.0	364
	09-11	100.0	100.0	100.0	99.8	99.3	94.5	80.3	61.0	22.8	81.4	543
	12-14	100.0	100.0	99.8	99.1	94.3	79.9	53.4	33.5	10.2	73.0	541
	15-17	100.0	100.0	99.4	97.4	95.4	77.3	51.0	29.5	7.9	71.0	533
	18-20											
	21-23											
	TOTALS	100.0	100.0	99.8	99.1	95.9	87.7	69.3	51.1	20.8	78.1	1981

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SUMMATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	97.9	87.4	67.2	22.3	83.7	412
	09-11	100.0	100.0	100.0	99.7	97.5	87.3	65.2	36.8	9.5	75.6	612
	12-14	100.0	100.0	99.0	95.3	85.0	59.1	35.9	17.8	2.8	65.4	613
	15-17	100.0	100.0	96.4	93.5	75.6	50.1	31.5	14.0	2.4	62.1	587
	18-20											
	21-23											
	TOTALS	100.0	100.0	98.9	97.1	89.5	73.6	55.0	34.0	9.3	71.7	2224

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN..								MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.8	98.8	93.9	76.2	46.7	10.6	78.5	576
	09-11	100.0	100.0	99.8	96.5	85.2	62.9	37.3	13.2	1.9	65.2	620
	12-14	100.0	100.0	96.0	82.5	60.1	34.4	16.1	5.3	.8	55.0	601
	15-17	100.0	99.8	91.3	73.6	51.1	29.4	16.7	3.4	.5	52.0	436
	18-20											
	21-23											
TOTALS		100.0	100.0	96.8	88.1	73.8	55.2	36.6	17.2	3.5	62.7	2233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN (RELATIVE HUMIDITY)	TOTAL NUM OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			
MAY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	95.9	94.5	78.7	40.7	7.9	77.9	565
	09-11	100.0	100.0	100.0	97.9	89.2	64.5	39.8	16.0	4.3	66.6	608
	12-14	100.0	100.0	97.9	86.1	63.3	38.6	23.9	9.3	2.2	57.5	581
	15-17	100.0	100.0	96.0	75.3	54.6	34.7	21.6	9.5	1.9	54.9	421
	18-20											
	21-23											
	TOTALS	100.0	100.0	98.5	89.8	76.3	58.1	41.0	18.9	4.1	64.2	2178

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 78-87
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	95.1	79.3	32.2	3.9	76.3	569
	09-11	100.0	100.0	100.0	98.9	88.7	59.1	28.5	6.4	.7	63.6	611
	12-14	100.0	100.0	99.2	90.7	61.5	29.9	14.4	3.2	.2	55.3	589
	15-17	100.0	100.0	99.0	83.8	53.5	27.0	10.7	2.9	.5	53.2	419
	18-20											
	21-23											
	TOTALS	100.0	100.0	99.6	93.4	75.8	52.8	33.2	11.2	1.3	62.1	2188

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	94.5	78.8	36.1	6.3	77.3	504
	09-11	100.0	100.0	100.0	98.5	83.5	56.9	34.2	12.3	2.2	64.1	544
	12-14	100.0	100.0	97.9	81.9	57.4	29.2	15.1	4.9	.4	54.3	530
	15-17	100.0	99.5	95.3	75.5	49.3	22.7	11.7	3.4	1.0	51.7	383
	18-20											
	21-23											
	TOTALS	100.0	99.9	98.3	89.0	72.6	50.9	35.0	14.2	2.5	61.9	1961

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN	TOTAL		
		10%	20%	30%	40%	50%	60%	70%			80%	90%
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	97.7	90.9	50.5	12.3	81.0	570
	09-11	100.0	100.0	100.0	99.3	90.2	65.3	32.7	10.6	1.3	65.5	611
	12-14	100.0	100.0	99.7	85.7	52.1	27.9	11.6	4.7		53.8	595
	15-17	100.0	100.0	97.6	77.4	44.0	22.1	12.0	6.1	.5	51.5	425
	18-20											
	21-23											
	TOTALS	100.0	100.0	99.3	90.6	71.6	53.3	36.8	18.0	3.5	63.0	2201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE] HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	02-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	93.3	67.3	20.0	84.1	419
	09-11	100.0	100.0	100.0	99.6	97.0	65.0	57.1	21.8	4.9	71.9	468
	12-14	100.0	100.0	99.1	92.0	74.4	45.8	21.7	7.8	.9	59.8	461
	15-17	100.0	100.0	97.3	86.4	54.0	39.3	18.7	6.9	.6	57.0	331
	18-20											
	21-23											
	TOTALS	100.0	100.0	99.1	94.6	83.9	67.5	47.7	26.0	6.6	69.2	1679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	98.0	77.9	40.6	88.0	394
	09-11	100.0	100.0	100.0	100.0	99.3	97.1	84.6	53.2	21.5	81.2	596
	12-14	100.0	100.0	100.0	98.6	93.7	74.5	52.3	20.3	4.3	70.0	587
	15-17	100.0	100.0	100.0	97.8	88.7	65.5	44.1	17.0	3.6	67.2	558
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	99.1	95.4	84.1	69.8	42.1	17.5	76.6	2135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN	TOTAL	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
NOV	00-02									[RELATIVE]	[NUM]	
	03-05									[HUMIDITY]	[OBS]	
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	94.8	79.8	42.5	87.9	346
	09-11	100.0	100.0	100.0	100.0	100.0	98.3	87.1	64.3	28.1	83.9	516
	12-14	100.0	100.0	100.0	100.0	99.0	92.3	69.1	37.5	16.2	77.3	512
	15-17	100.0	100.0	100.0	100.0	99.4	93.1	68.5	36.3	13.5	76.7	496
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	100.0	99.6	96.0	80.4	54.5	25.1	81.5	1870

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN	TOTAL	
		10%	20%	30%	40%	50%	60%	70%	80%			
DEC	00-02									RELATIVE	NUM	
	03-05									(HUMIDITY	OBS	
	06-08	100.0	100.0	100.0	100.0	100.0	98.7	93.4	73.9	38.2	86.6	380
	09-11	100.0	100.0	100.0	100.0	100.0	98.1	90.0	67.2	31.3	84.6	591
	12-14	100.0	100.0	100.0	100.0	99.8	95.3	77.3	45.7	18.1	79.5	565
	15-17	100.0	100.0	100.0	100.0	99.8	96.5	79.4	45.3	16.5	79.5	514
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	100.0	99.9	97.1	85.0	58.0	26.0	82.6	2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NUM OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			
JAN	ALL	100.0	100.0	100.0	100.0	99.7	96.7	80.9	56.3	21.8	81.5	2021
FEB		100.0	100.0	99.8	99.1	95.9	87.7	69.3	51.1	20.8	79.1	1981
MAR		100.0	100.0	98.9	97.1	89.5	73.5	55.0	34.0	9.3	71.7	2224
APR		100.0	100.0	96.8	88.1	73.8	55.2	36.6	17.2	3.5	62.7	2233
MAY		100.0	100.0	98.5	69.8	76.3	58.1	41.0	18.9	4.1	64.2	2178
JUN		100.0	100.0	99.6	97.4	75.8	52.3	33.2	11.2	1.3	62.1	2186
JUL		100.0	99.9	98.3	89.0	72.6	50.9	35.0	14.2	2.5	61.9	1961
AUG		100.0	100.0	99.3	92.6	71.6	53.3	36.8	18.0	3.5	63.0	2201
SEP		100.0	100.0	99.1	94.6	83.9	67.5	47.7	26.0	6.6	68.2	1679
OCT		100.0	100.0	100.0	99.1	95.4	84.1	69.8	42.1	17.5	76.6	2135
NOV		100.0	100.0	100.0	100.0	99.6	96.0	80.4	54.5	25.1	81.5	1870
DEC		100.0	100.0	100.0	100.0	99.9	97.1	85.0	58.0	26.0	82.6	2050
TOTALS		100.0	100.0	99.2	95.1	86.2	72.7	55.9	33.5	11.8	71.2	24721

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	FFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRR	TTTTTT	FFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
02	MEAN													
02	SD													
02	TOT OBS													
05	MEAN													
05	SD													
05	TOT OBS													
06	MEAN	29.632	29.680	29.576	29.626	29.571	29.658	29.679	29.678	29.732	29.703	29.696	29.633	29.652
06	SD	.362	.349	.302	.243	.222	.164	.149	.151	.194	.287	.301	.403	.276
06	TOT OBS	186	180	204	207	204	204	181	205	155	197	173	196	2292
11	MEAN	29.650	29.687	29.587	29.627	29.568	29.651	29.674	29.674	29.734	29.705	29.712	29.652	29.657
11	SD	.361	.348	.303	.229	.220	.164	.145	.149	.194	.289	.298	.407	.276
11	TOT OBS	186	181	203	206	202	203	181	204	156	199	172	197	2290
14	MEAN	29.624	29.671	29.562	29.604	29.553	29.632	29.657	29.654	29.709	29.677	29.684	29.631	29.636
14	SD	.361	.335	.303	.234	.213	.162	.145	.144	.193	.268	.297	.401	.272
14	TOT OBS	183	180	204	203	193	196	176	197	153	194	170	182	2228
17	MEAN	29.616	29.664	29.554	29.493	29.596	29.617	29.647	29.641	29.747	29.668	29.689	29.627	29.633
17	SD	.362	.320	.309	.221	.212	.159	.152	.154	.195	.295	.294	.393	.311
17	TOT OBS	176	173	179	42	43	40	39	44	42	174	163	163	1278
20	MEAN													
20	SD													
20	TOT OBS													
23	MEAN													
23	SD													
23	TOT OBS													
ALL	MEAN	29.631	29.675	29.570	29.611	29.556	29.645	29.668	29.667	29.727	29.688	29.695	29.636	29.646
ALL	SD	.361	.338	.304	.239	.218	.163	.147	.149	.194	.289	.297	.401	.281
ALL	TOT OBS	731	714	790	655	642	643	577	650	506	764	678	738	8088

SUPPLEMENTAL DATA SECTION SPECIAL CAVEAT PAGE

1. GIVE PARTICULAR ATTENTION TO THE HOURS OF OPERATION PROVIDED AT BEGINNING OF THE LISOCs.
2. EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS WILL NOT REFLECT IN THESE SUMMARIES.
3. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES MAY NOT REFLECT TRUE 24-HOUR AMOUNTS.
 - A. RECORDED PRECIPITATION AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS.
 - B. PERIODS GREATER THAN 24 HOURS DO NOT TAKE INTO ACCOUNT EVAPORATION.
 - C. THIS 24-HOUR AMOUNT MAY, BUT MORE FREQUENTLY DOES NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT.
 - D. COMBINATIONS OF THE ABOVE LIMITATIONS TEND TO FURTHER EXAGGERATE THE QUESTIONABILITY OF THESE 24-HOUR AMOUNTS.
4. MONTHLY AMOUNTS OF PRECIPITATION (INCLUDING SNOWFALL) ARE NOT AS SERIOUSLY Affected AS THE 24-HOUR VALUES. HOWEVER, EVAPORATION (SUBLIMATION) CAN CAUSE "BOGUS" AMOUNTS TO BE INCLUDED FOR NON-OPERATIONAL PERIODS WHERE THE VALUES ARE DEPENDENT ON THE LENGTH OF TIME OF THESE NON-OPERATIONAL PERIODS.
5. THE TEMPERATURES SUMMARIES REPRESENT THE "HIGH" AND "LOW" SUMMARIZED TEMPERATURES AND NOT THE ACTUAL MAXIMUM AND MINIMUM TEMPERATURES.

USAFETAC RECOMMENDS THAT COPIES OF FULL TIME PERIODS, WHEN AVAILABLE, BE ACCOMPANIED BY THE CAVEAT --EXTREMES OCCURRING OUTSIDE THE FULL TIME PERIOD SUMMARIZED ARE NOT REFLECTED IN THESE SUMMARIES.

USAFETAC ALSO RECOMMENDS LIMITED DISTRIBUTION OF THE LIMITED OR PART TIME PERIOD TO METEOROLOGIST (TECHNICIANS), AND BE ACCOMPANIED BY THIS CAVEAT PAGE.

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

GLOBAL CLIMATOLOGY BRANCH
USA&FETAC
AIR WEATHER SERVICE/MAC

**PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS**

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

MONTH: ALL

MONTH	TSTM	RAIN	FROZEN RAIN	SNO	HAIL	% OBS WITH PRECIP	FOG	SMOKE	DUST	% OBS W/DUST	TOTAL OBS	
		E/DR DRIZZLE	E/DR RAIN	E/DR SLEET	DRIZZLE	E/DR HAZE	BLLOWING SNOW	E/DR SAND	TO VISION			
JAN		37.8	1.5	27.7		56.9	73.4	34.0		79.8	188	
FEB		22.6	.5	27.7		42.9	85.9	58.2		93.8	184	
MAR		44.4		9.2	1.0	48.3	65.2	52.7		72.9	207	
APR		1.9	33.2		3.4	38.6	58.5	54.5		72.9	207	
MAY		6.3	44.7		.5	44.7	51.9	52.9		58.9	206	
JUN		9.8	45.6			.5	45.6	50.5	54.9		55.7	204
JUL		8.3	29.0				29.0	52.7	54.4		71.6	169
AUG		5.4	31.7			.5	31.7	63.4	61.5		75.6	205
SEP		1.9	31.4				31.4	70.5	64.7		80.1	156
OCT			31.2		.5		31.2	81.4	53.8		54.4	199
NOV			34.7		7.5		39.9	77.5	37.6		60.3	173
DEC			41.9	1.0	14.6		49.5	80.3	32.8		52.8	198
TOTALS		2.8	35.1	.3	7.6	.2	40.8	67.6	51.8		77.2	2296

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.05	.10	.25	.50	1.00	2.50	5.00	10.00	20.00	20.00	OVER	% DAYS	TOTAL	MONTHLY AMOUNTS		
															WITH MEAS	MEAS OBS	AMTS	MEAN GREATEST LEAST	
JAN	27.7	17.6	4.3	17.6	11.7	10.6	7.4	2.1	1.1						54.8	188	.00	2.79	.69
FEB	42.1	15.3	4.4	15.8	7.1	7.1	6.6	1.6							42.6	183	.00	2.03	.29
MAR	34.8	10.6	5.3	18.4	10.6	14.0	4.9	1.4							54.6	207	.00	2.21	.48
APR	38.2	12.6	6.8	14.5	7.7	11.6	4.8	3.9							49.3	207	.00	2.64	.16
MAY	31.1	9.7	5.8	15.0	7.8	15.5	0.7	3.9	.5						59.2	206	.00	4.66	1.21
JUN	32.4	8.9	5.4	11.3	12.3	12.7	0.5	4.9	1.5						58.8	204	.00	4.80	1.11
JUL	50.0	8.3	3.0	7.7	6.0	12.5	7.1	4.2	1.2						41.7	168	.00	4.46	.59
AUG	46.8	10.2	1.5	12.2	5.9	12.7	6.3	2.9	1.5						42.9	205	.00	2.96	.28
SEP	48.7	8.4	4.5	11.7	6.5	9.1	2.5	5.2	3.2						42.9	154	.00	3.28	.00
OCT	41.2	12.1	5.0	14.6	7.5	7.5	7.0	3.5	1.5						46.7	199	.00	3.80	.58
NOV	27.2	16.2	8.7	17.3	8.1	12.1	8.1	1.7	.6						56.6	173	.00	2.66	.21
DEC	25.8	16.2	7.6	12.6	10.1	11.6	2.5	3.0	.5						58.1	198	.00	3.92	.78
AVN	37.2	12.2	5.2	14.1	8.0	11.4	7.4	3.2	1.0						50.7	2292	.00		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77													
78	*.41	*.33	.49	*.07	*1.29	*.45	*.51	*.68	*.38	*.32	*.15	*.55	*1.29
79	*1.90	*.36	*.61	*.39	*.44	*.97	*.39	*1.02	*.00	*.64	*.41	*1.39	*1.90
80	*.43	*.49	*.36	*.56	*.88	*1.66	*1.18	*.43	*.33	*.40	*.48	*.94	*1.66
81	*1.09	*.21	*.39	*.81	*.33	*1.63	*.87	*1.27	*1.66	*1.11	*.69	*.50	*1.66
82	*.69	*.26	*.31	*.28	*.57	*.44	*.51	*.32	*1.49	*1.29	*.34	*.64	*1.49
83	*.21	*.51	*.55	*.64	*.79	*.42	*.79	*.11	*.61	*.46	*.82	*.56	*.84
84	*.47	*.55	*.20	*.75	*.90	*.67	*.38	*.72	*.95	*.23	*1.21	*.27	*1.21
85	*.33	*.85	*.43	*.64	*.56	*.74	*.27	*1.07	*.52	*.39	*.74	*.33	*1.07
86	*.40	*.12	*.58	*.44	*.39	*.36	*.63	*.83	*1.53	*.63	*.45	*.45	*1.53
87	*.57	*.49	*.11	*.63	*.45	*1.61		*.66	*1.18	*.57			
MEAN													
S.D.													
TOTAL OBS	188	183	207	207	206	204	168	205	154	199	173	198	2292

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77													*2.43 *2.28
78	*1.40	*1.12	*2.05	.16	*3.51	*1.87	*1.49	*1.04	*1.15	*.84	*.21	*1.73	*16.67
79	*2.58	*1.41	*1.71	*2.30	*1.42	*3.05	*1.10	*2.09	*.00	*1.17	*2.66	*3.92	*23.61
80	*1.40	*1.20	*1.27	*1.61	*1.33	*4.80	*4.46	*1.22	*1.15	*1.06	*1.70		*23.20
81	*2.79	*.44	*1.42	*2.00	*1.59	*4.63	*2.62	*2.55	*1.84	*3.61	*1.41	*3.74	*28.53
82	*2.44	*.46	*.37	*.78	*1.47	*1.11	*1.29	*1.70	*1.69	*3.80	*1.38	*2.54	*19.53
83	*.69	*1.63	*1.31	*2.64	*4.66	*1.28	*1.64	*.28	*2.22	*1.04	*.93	*1.26	*19.28
84	*2.35	*2.03	*.55	*1.31	*3.93	*1.35	*.84	*1.77	*3.28	*.90	*1.50	*1.78	*20.69
85	*.87	*.93	*.29	*1.49	*2.40	*2.59	*.59	*2.96	*.88	*.58	*1.57	*.80	*16.65
86	*1.39	*.29	*2.21	*1.88	*1.79	*1.36	*2.29	*1.97	*2.96	*2.08	*1.13	*1.36	*20.71
87	*.91	*1.05	*.98	*.91	*1.21	*4.76		*2.58	*2.30	*2.05			
MEAN													
S.D.													
TOTAL OBS	188	183	237	207	206	204	168	235	154	199	173	198	2292

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

MONTH	NONE	TRACE	AMOUNTS IN INCHES												% DAYS WITH MEAS	TOTAL	MONTHLY AMOUNTS			
			0.1	0.5	1.5	2.5	3.5	4.5	6.5	10.5	15.5	25.5	OVER	MEAS	OBS	AMTS	MEAN	GREATEST	LEAST	
JAN	64.5	16.1	5.9	8.6	2.2	1.1			1.6							19.4	186	.0	11.7	TRACE
FEB	64.5	21.3	4.4	7.1	2.2				.5							14.2	183	.0	5.0	.0
MAR	87.0	10.6	1.4	1.0												2.4	207	.0	1.4	.0
APR	95.7	3.9	.5													.5	207	.0	.2	.0
MAY	100.0																206	.0	.0	.0
JUN	100.0																204	.0	.0	.0
JUL	100.0																169	.0	.0	.0
AUG	100.0																205	.0	.0	.0
SEP	100.0																156	.0	.0	.0
OCT	99.5	.5															199	TRACE	TRACE	.0
NOV	89.0	8.1	1.7	.6		.6										2.9	173	.0	3.7	.0
DEC	79.3	11.6	1.5	2.5	4.0				.5	.5						9.1	199	.0	17.7	.0
ANN	90.0	6.0	1.3	1.6	.7	.1	.1	.2								4.0	2293	.0		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

MONTH	NONE	TRACE	AMOUNTS IN INCHES												MONTHLY AMOUNTS				
			1	2	3	4	7	13	25	37	49	51	OVER	% DAYS	TOTAL	MEAS	OBS	MEAN	GREATEST
JAN	59.4	16.7	8.0	5.9	8.6	7.5									29.9	187			
FEB	68.3	12.2	9.8	4.4	2.7	2.7									19.7	183			
MAR	95.7	4.3														207			
APR	100.0															207			
MAY	100.0															206			
JUN	100.0															204			
JUL	100.0															169			
AUG	100.0															205			
SEP	100.0															156			
OCT	100.0															199			
NOV	93.6	2.9	.6		1.7	.6									.6	3.5	173		
DEC	84.3	5.6	4.0	3.5	1.0	1.5										10.1	199		
ANN	91.8	3.5	1.9	1.1	1.2	1.0									.0	5.3	2294		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77													*TRACE *2
78	*TRACE	*2	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1 *2
79	*6	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*6
80	*1	*0	*TRACE	*0	*0	*0	*0	*0	*0	*0	*0	*0	*2
81	*5	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*6
82	*6	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*6
83	*TRACE	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1
84	*1	*TRACE	*TRACE	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1
85	*3	*4	*TRACE	*0	*0	*0	*0	*0	*0	*0	*4	*2	*4
86	*2	*3	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1	*3
87	*2	*3	*TRACE	*0	*0	*0	*0	*0	*0	*0	*0		
MEAN													
S.D.													
TOTAL OBS	187	183	237	207	235	204	169	205	156	199	172	193	2293

NOTE: * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77													*TRACE 2.4
78	*1.0	*6.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*.7	*7.7
79	*17.2	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.4	*.0	*10.6
80	*2.1	*.0	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*1.5	*3.8
81	*11.7	*1.9	*.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*17.7	*31.3
82	*7.4	*1.3	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*8.7
83	*TRACE	*2.3	*.5	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*2.8
84	*3.8	*TRACE	*TRACE	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.2	*4.2
85	*2.3	*4.7	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*3.7	*3.5
86	*5.9	*3.5	*TRACE	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*3.2	*12.6
87	*2.9	*4.7	*1.4	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	229.3
MEAN													
S.D.													
TOTAL OBS	186	183	207	207	206	204	169	205	156	199	173	198	

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77													
78	*1.0	*2.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*.7	*2.0
79	*6.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.4	*.0	*6.0	
80	*1.2	*.0	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*1.5	*1.5	
81	*0.0	*1.0	*.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*4.7	*6.0
82	*5.0	*.7	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*5.0
83	*TRACE	*1.3	*.5	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*1.3
84	*2.0	*TRACE	*TRACE	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.1	*2.0
85	*1.0	*4.3	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*2.5	*1.8
86	*2.2	*1.6	*TRACE	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*2.0	*4.3
87	*.9	*1.7	*.7	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*2.2
MEAN													
S.D.													
TOTAL OBS	186	183	237	207	206	204	169	205	156	199	173	198	2293

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC														
77																										
78	24*	40	30*	26	23*	44	5*	30	1*	23	27*	26	25*	30	27*	29	25*	31	26*	21	29*	18	27*	36	23*	44
79	25*	37	27	24	24*	30	24*	26	25*	37	7*	25	24*	19	24*	21	35*	11	24*	23	24*	31	24*	48	24*	48
80	27*	38	25	32	24*	27	27*	33	7	23	28*	23	28*	22	28*	29	27*	26	24*	29	24*	29	24*	26	27*	38
81	25*	38	25*	30	26*	36	1*	19	31*	19	24*	18	13*	23	23*	23	5*	18	28*	29	33*	30	25*	39	25*	39
82	24*	29	29*	19	24*	34	26*	30	26	24	29*	25	27*	16	25*	23	26*	13	24*	40	25*	27	25*	38	24*	40
83	27*	34	24*	52	26*	33	27*	28	22*	22	14*	26	27*	20	24*	30	26*	24	31*	24	27*	17	26*	18	24*	52
84	25*	37	25*	38	25*	34	8*	19	6*	25	25*	23	28*	38	26*	48	30*	30	24*	50	8*	12	25*	17	24*	50
85	26*	42	8*	23	25*	36	25*	24	25	27	28*	31	30*	31	27*	34	25*	28	26*	25	23*	35	25*	27		
86	26*	42	8*	23	25*	36	25*	24	25	27	25*	32	24*	25	6*	27	26*	28	27*	36	22*	25	26*	42	26*	42
87	23*	34	27*	24	23*	38	25*	24	23*	25	24*	34	25*	22	26*	25	24*	37								
MEAN																										
S.D.																										
TOTAL OBS	167	164	196	206	203	188	168	205	154	192	164	195													2202	

NOTES * (BASED ON LESS THAN FULL MONTHS)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265

STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
GE 95							1.2						.1	
GE 90						.5		7.1	1.5				.7	
GE 85					1.5	3.9	12.4	8.3	.6				2.2	
GE 80					3.9	17.2	33.7	24.9	5.8	1.0			7.1	
GE 75				1.9	12.5	33.8	52.7	51.7	19.9	3.5			14.5	
GE 70					8.7	29.1	52.9	69.2	74.6	48.1	9.5		24.0	
GE 65			1.0	16.9	40.3	72.1	86.4	89.8	64.1	17.6	.6		31.9	
GE 60			5.3	38.2	64.0	91.7	100.0	100.0	87.8	38.2	2.9	1.5	43.9	
GE 55	2.1	1.1	22.2	59.4	80.6	99.0			97.4	63.8	15.6	5.6	53.7	
GE 50	6.9	9.2	44.4	82.1	95.6	100.0				100.0	91.5	37.0	17.7	65.5
GE 45	20.7	23.4	80.2	94.2	99.0					98.5	63.6	34.3	76.4	
GE 40	76.2	38.0	89.9	97.5	100.0					99.0	78.0	52.0	92.0	
GE 35	65.4	69.6	98.1	100.0						100.0	93.6	76.3	92.0	
GE 30	78.7	89.1	99.6								99.4	92.9	96.6	
GE 25	69.9	97.3	100.0								100.0	98.5	98.8	
GE 20	94.7	98.9										99.5	99.4	
GE 15	97.9	100.0										100.0	99.8	
GE 10	100.0												100.0	
MEAN		36.7	38.4	49.0	57.0	63.5	70.7	75.2	74.7	68.2	58.2	45.6	43.9	56.6
SD		9.131	7.331	7.087	8.578	9.152	8.057	8.515	7.033	7.035	7.928	7.739	8.294	15.591
TOTAL OBS		188	184	207	207	206	204	169	205	156	199	173	198	2296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265

STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
DE 75										1.0			.1
GE 70													.3
GE 65													2.2
GE 60													11.1
GE 55													25.0
GE 50	1.6												40.4
GE 45	5.9	3.8	19.6	34.3	81.1	99.5	100.0	99.5	91.0	66.8	31.2	15.2	53.7
GE 40	13.3	9.2	39.2	61.4	93.2	100.0		100.0	98.7	83.9	45.1	28.3	64.2
GE 35	44.7	29.3	67.1	88.9	100.0				100.0	95.0	79.0	59.6	80.3
GE 30	52.7	36.4	77.8	95.7						97.0	81.5	67.2	84.1
GE 25	64.9	58.2	90.3	99.5						100.0	90.2	78.3	90.2
GE 20	77.7	78.8	97.1	100.0							97.1	88.9	95.0
GE 15	93.0	87.5	99.0								98.8	98.0	97.3
GE 10	92.6	95.7	99.5								100.0	100.0	99.0
GE 5	95.7	97.3	100.0										99.4
GE -5	97.3	98.9											99.7
GE 0	99.5	100.0											100.0
GE -10	100.0												100.0
MEAN	30.7	29.8	38.3	41.9	49.6	56.9	59.3	57.8	52.3	46.7	39.6	35.5	44.9
S0	10.467	9.426	7.598	5.720	6.286	5.478	4.807	5.220	5.957	6.761	7.820	7.997	12.133
TOTAL OBS	168	164	207	207	206	204	169	205	156	199	173	198	2296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 77-87
 TEMP(F) JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
 GE 80° .5 3.0 .3
 GE 75° 1.0 4.9 15.4 5.9 2.2
 GE 70° 3.4 23.5 37.9 27.3 5.1 .5 9.0
 GE 65° .5 13.1 44.6 65.3 66.3 21.8 3.5 17.8
 GE 60° 1.4 5.8 34.5 73.0 89.9 90.7 56.4 15.6 1.2 30.2
 GE 55° 5.8 26.1 51.7 96.1 103.0 100.0 89.7 39.2 5.2 1.0 43.3
 GE 50° 3.7 2.2 15.9 49.8 85.4 100.0 98.1 65.8 24.3 6.6 54.1
 GE 45° 8.5 8.2 47.3 79.2 97.1 100.0 91.0 41.5 23.7 6.5 55.1
 GE 40° 26.6 23.4 77.8 95.7 103.0 98.0 73.4 48.0 78.8
 GE 35° 59.0 51.1 92.8 99.5 99.5 85.0 69.7 88.2
 GE 30° 72.3 77.2 93.4 100.0 100.0 96.0 84.8 94.1
 GE 25° 93.0 91.3 99.0 99.5 100.0 100.0 95.5 97.4
 GE 20° 92.0 96.7 103.0 99.5 100.0 100.0 99.5 99.0
 GE 15° 94.7 98.9 100.0 100.0 100.0 100.0 99.5
 GE 10° 97.3 100.0 100.0 100.0 100.0 100.0 99.8
 GE 5° 100.0 100.0 100.0 100.0 100.0 100.0 100.0
 MEAN | 34.0 34.4 43.9 49.7 56.3 64.1 67.5 66.5 60.6 52.8 43.4 38.5 51.0
 SD | 9.599 7.379 6.672 6.284 6.957 6.274 6.008 5.026 5.270 6.618 7.515 7.805 13.477
 TOTAL OBS | 188 184 207 207 206 204 169 205 156 199 173 198 2296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77													
78	*48	*55	*54	*60	*73	*87	*84	*87	*80	*69	*53	*55	*87
79	*41	*46	*57	*64	*91	*87	*86	*86	*70	*79	*59	*61	*91
80	*50	*55	*53	*75	*73	*81	*82	*82	*81	*66	*59	*52	*82
81	*45	*50	*56	*72	*34	*88	*88	*96	*77	*70	*59	*48	*88
82	*54	*50	*53	*62	*92	*68	*90	*96	*77	*63	*61	*54	*90
83	*57	*54	*53	*70	*75	*82	*97	*90	*77	*79	*54	*50	*97
84	*46	*48	*55	*72	*73	*82	*95	*90	*75	*70	*52	*48	*95
85	*55	*52	*57	*77	*77	*82	*90	*93	*86	*82	*63	*63	*93
86	*50	*37	*59	*66	*31	*88	*91	*94	*75	*79	*59	*52	*91
87	*43	*54	*59	*77	*75	*84		*86	*82	*68			
MEAN													
S.D.													
TOTAL OBS	188	184	207	207	206	204	169	205	156	199	173	198	2296

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	WHOLE DEGREES FAHRENHEIT											ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
77												
78	*30	*23	*35	*32	*41	*48	*48	*46	*42	*35	*24	*15
79	*1	*24	*35	*33	*37	*53	*51	*46	*43	*34	*36	*30
80	*15	*25	*30	*36	*37	*50	*48	*43	*43	*39	*25	*19
81	*18	*18	*32	*30	*39	*50	*52	*48	*43	*34	*25	*18
82	*-6	*18	*28	*30	*35	*50	*54	*50	*46	*36	*30	*18
83	*28	*18	*30	*34	*45	*48	*54	*50	*41	*30	*19	*21
84	*25	*19	*25	*30	*37	*45	*52	*50	*46	*37	*30	*32
85	*12	*3	*28	*34	*39	*48	*52	*46	*41	*32	*27	*19
86	*19	*9	*27	*28	*43	*43	*48	*46	*39	*32	*32	*28
87	*1	*18	*14	*32	*39	*48		*46	*39	*37		*9
MEAN												
S.D.												
TOTAL OBS	189	184	207	207	205	204	169	205	156	199	173	198
												2296

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

END

DATE

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